



NORTHWESTERN UNIVERSITY

One Hundred and Twelfth Annual

COMMENCEMENT

SATURDAY, JUNE 13, 1970

McGaw Memorial Hall, Evanston, Illinois

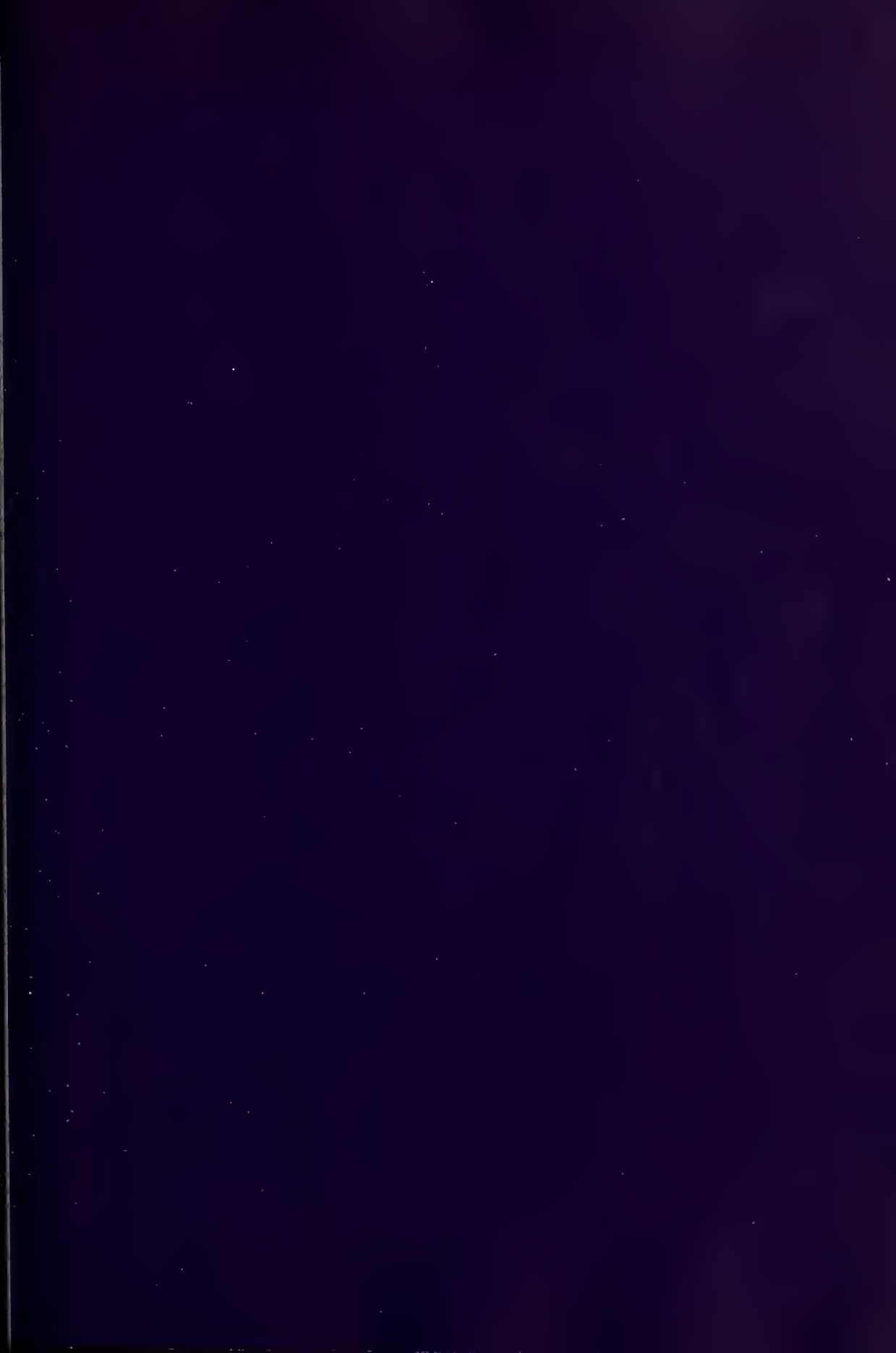
THE PLEDGE

Traditionally taken by Northwestern Graduates
on receiving their degrees

*With a solemn sense of my responsibility
I pledge myself*

TO HOLD MY DEGREE AS A SACRED TRUST,
WITH UNTARNISHED HONOR TO MYSELF
IN GENEROUS LOYALTY TO ALMA MATER,
AND WITH FIDELITY TO MY COUNTRY,
MY FELLOW MEN, AND MY GOD.

Smoking is permitted only in the outer main floor lobby.



THE PROGRAM

PROCESSIONAL

(Audience will please remain seated for the Student and Faculty Processional.)

THE NATIONAL ANTHEM

(The first stanza)

(Audience will please remain standing until the Invocation has been pronounced.)

INVOCATION

THE REVEREND HAROLD BLAKE WALKER

Minister Emeritus, First Presbyterian Church of Evanston

ADDRESS

RAYMOND W. MACK

Professor of Sociology

AWARDING OF DIPLOMAS AND CONFERRING OF DEGREES

JAMES ROSCOE MILLER

Chancellor of the University

CHARGE TO THE GRADUATING CLASS

The Chancellor of the University

CONFERRING OF HONORARY DEGREES

(Citations read by James H. McBurney, Dean of the School of Speech.)

DELIVERY OF DIPLOMAS

The Deans of the Schools

THE UNIVERSITY HYMN

(Words to the University Hymn are printed inside the back cover.)

BENEDICTION

THE REVEREND RALPH G. DUNLOP

University Chaplain

RECESSIONAL

FACULTY RECESSIONAL *(Graduates and guests will please remain seated.)*

STUDENT RECESSIONAL *(Guests will please remain seated.)*

Parents and guests are respectfully requested to remain in their seats during the entire ceremony, **including the period when diplomas are delivered.** The aisles of the Hall must be kept clear at all times, and those who leave their seats before the close of the ceremony must leave the building immediately through the front lobby.

THE HONORARY DEGREES

WILLIAM CARL ACKERMANN — DOCTOR OF SCIENCE

Chief of the Illinois State Water Survey since 1956. B.S., University of Wisconsin, 1935. Hydraulic engineer, Water Control Planning Department, T.V.A., 1935-54; head of the Watershed Hydrology Section, United States Department of Agriculture, 1954-56; chairman of the Sedimentation Committee, 1955-56. Professor of civil engineering, University of Illinois; adviser to the Office of Science and Technology, Executive Office of the President, Washington, 1963-64; member of the President's Water Resources Policy Commission, 1950. Recipient of the Distinguished Service Citation, University of Wisconsin, 1964; Lincoln Academy Medal, 1967; president of the American Geophysical Union, 1966-68. Author of numerous geophysical reports and member of many science-engineering associations.

*Presented by Laurence L. Sloss, Chairman and Professor of
Geological Sciences, College of Arts and Sciences*

GWENDOLYN BROOKS — DOCTOR OF LITERATURE

Poet and novelist; teacher of creative writing. Graduate of Wilson Junior College, Chicago, 1936. L.H.D., Columbia College, 1964. Member of the advisory board, Institute for International Education; member of the Illinois Arts Council. Award for creative writing, American Academy of Arts and Letters, 1946. Guggenheim Fellowship for creative writing, 1946-47. Poetry magazine's Eunice Tietjens Memorial Award, 1949. Pulitzer Prize for poetry, 1950. Author of numerous volumes of poetry and prose, from *A Street in Bronzeville*, 1945, to *In the Mecca*, 1968.

Presented by Gaylord A. Freeman, Jr., Trustee of Northwestern University

ROGER OLAF EGEBERG — DOCTOR OF LAWS

Undersecretary for Health, Department of Health, Education, and Welfare of the United States. B.A., Cornell University, 1925; M.D., Northwestern University, 1929. Practiced medicine, 1932-42; colonel in the Medical Corps, U.S. Army, 1942-46; Chief of Medical Services, VA Hospital, Los Angeles, 1946-56; medical director, Los Angeles County Hospital, 1956-58; Los Angeles County Department of Charities, 1958-64. Professor of medicine, University of California at Los Angeles, 1948-64; University of Southern California, 1956-69, dean of the School of Medicine, 1964-1969. Member of the California Board of Public Health, 1961-1969, president, 1964-1969. Member and often chairman of many medical associations and commissions.

Presented by Dr. Robert B. Lawson, Vice-President for Health Sciences

NORTHWESTERN UNIVERSITY

LON LUVOIS FULLER — DOCTOR OF LAWS

Carter Professor of General Jurisprudence, Harvard Law School, since 1948. A.B., Stanford University, 1924; J.D., 1926. Instructor, University of Oregon Law School, 1926-1928; University of Illinois College of Law, 1928-1931; Professor of law, Duke University, 1931-1940; Professor of law, Harvard University, since 1940. Member of the Massachusetts bar, associated with the firm of Ropes, Gray, Best, Coolidge and Rugg, 1942-1945. Phillips Award of the American Philosophical Society, 1935, for his essay "American Legal Realism." Member of the American Academy of Arts and Sciences. Author of *The Law in Quest of Itself*, 1940; *The Morality of Law*, 1964; *Anatomy of the Law*, 1968.

Presented by Howard J. Trienens, Trustee of Northwestern University

DONALD M. GRAHAM — DOCTOR OF LAWS

Chairman of the board and chief executive officer, Continental Illinois National Bank and Trust Company, since 1969. A.B., Northwestern, 1933; J.D., Northwestern, 1936. LL.D., MacMurray College, 1965. With the law firm of Mayer, Meyer, Austrian, and Platt, 1936-52 (partner, 1945-52). Vice-president, Continental Illinois National Bank and Trust Company, 1953-60; vice-chairman of the board, 1960-69. Director of various corporations. Chicago chairman of the board of commissioners, Chicago Railroad Terminal Authority. Member, advisory board, Saint Francis Hospital; regional advisory committee, International Institute of Education; citizens board, University of Chicago, Loyola University; sponsoring board, Metropolitan Chicago Travelers Aid Society. Director, Infant Welfare Society; Community Fund, Chicago; Metropolitan Chicago Hospital Planning Council. Trustee, Chicago Wesley Memorial Hospital. Member, lay board of trustees, University of Notre Dame. Trustee, Illinois Institute of Technology. Member of American, Illinois, and Chicago bar associations; American Bankers Association; American Institute of Banking. Member board of directors, Chicago Association of Commerce and Industry.

Presented by Tilden Cummings, Trustee of Northwestern University

RALPH NADER — DOCTOR OF LAWS

Lawyer, author. A.B., magna cum laude, Princeton, 1955; LL.B., Harvard, 1958. Phi Beta Kappa. Lecturer in history and government, University of Hartford, 1961-63. Nieman Fellows award, 1965-66. Named one of the outstanding young men of the year by the U.S. Junior Chamber of Commerce, 1967. Author of *Unsafe at Any Speed*, 1965, and of numerous articles.

Presented by Donald S. Perkins, Trustee of Northwestern University

ONE HUNDRED AND TWELFTH COMMENCEMENT

CLAUDE ELWOOD SHANNON — DOCTOR OF SCIENCE

Douner Professor of Sciences, Massachusetts Institute of Technology, since 1958. B.S., University of Michigan, 1936; M.S., Ph.D., Massachusetts Institute of Technology, 1940. National Defense Research Committee, 1941; research mathematician, Bell Telephone Laboratories, since 1941; professor of communication sciences and mathematics, Massachusetts Institute of Technology, since 1957. Recipient of many awards and fellowships; member of the American Academy of Arts and Sciences and the National Academy of Scientists. Author of *Mathematical Theory of Communication*, 1949, and papers on mathematical subjects.

*Presented by Hugh M. Hulburt, Chairman and Professor of
Chemical Engineering, Technological Institute*

HAROLD BLAKE WALKER — DOCTOR OF SACRED THEOLOGY

Pastor Emeritus, First Presbyterian Church, Evanston. A.B., University of Denver, 1925; A.M., Boston University, 1927; B.D., McCormick Theological Seminary, 1932. D.D., Emporia College, 1944; Hamilton College, 1949; University of Denver, 1952. L.H.D., Lake Forest College, 1959. Editor and writer, Associated Press, 1927-30. Ordained to Presbyterian ministry, 1932. Minister, Chicago, 1932-36; Utica, N.Y., 1936-42; Oklahoma City, 1942-47; Evanston, 1947-. Lecturer in homiletics, McCormick Theological Seminary. Officer of various church committees. Director, McCormick Theological Seminary; Lake Forest College. Author of numerous philosophical books, and since 1954 author of an inspirational column for the Chicago Tribune and New York Daily News syndicate.

Presented by Harry K. DeWitt, Trustee of Northwestern University

JOHN GIDEON SEARLE — DOCTOR OF LAWS

President of the Board of Trustees since 1964. B.S., University of Michigan, 1923. Associated with G. D. Searle and Company since 1923; president, 1933-66; chairman of the board and chief executive officer since 1966. Director or trustee of such leading institutions as the Harris Bank and Trust Company, the Field Museum of Natural History, the South End Improvement Group, the Hospital Planning Council of Metropolitan Chicago. Member of the Board of Trustees, Northwestern University, since 1951; vice-president, 1957-1964.

Presented by Daniel C. Searle, Trustee of Northwestern University

THE DEGREES IN COURSE

The appearance of a name on this list is presumptive evidence of graduation
but is not to be regarded as conclusive.

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by DEAN ROBERT H. STROTZ

BACHELOR OF ARTS

Kirsti Tilu Aarnio	Kathleen Ann Belter
Marian Sydney Adams	John Frederick Bender
Nancy Ann Agrillo	Kathryn Ruth Benysh
Linda Grace Agustsson	David Bernard Berg III
Sarah Patton Ainsworth	Daniel Judah Berman
Thomas Lawrence Aldrich	Charles Richard Berry
Jonathan Benson Alper	Carol Ann Bihun
Joanne Arlene Alperin	Richard John Biondi
Rosalind Sherry Altman	Kathie Gayl Blank
Jill Louise Anderson	Wayne Charles Blaser
Kenneth Everett Anderson	Michael Austin Boe
Scott William Anderson	Janine Elizabeth Boehm
Susan Andrews	Wendy Jean Boley
Bruce McClelland Angle	John George Boras
Richard David Angres	William Scott Borchers
Judith Teas Armstrong	John Walter Boren
Judith Massey Arnold	James Edward Boro
Judith Ashton	Wendy Kay Bortnick
Robert Andrew Ashworth	Barbara Jean Bos
Jean Marie Auchter	Barbara Ann Bowers
Maureen Daphne Aung-Thwin	James Edward Bradof
Varda Avni	Janet Gail Brashler
Roderick Riddle Aya	Frances Ann Braude
Peggy Jane Bachmann	Nancy Ann Brazelton
Katherine Ann Bader	John Henry Brechin
Laurel Ann Bain	Alba Houghton Briggs III
Sarah Cobb Baker	Stephen Young Brodhay
Jan Owen Balgemann	Marc Robert Brody
Arthur Kirsner Balin	Dina Bromberg
John Bagwell Ballard, Jr.	Eda Lee Brough
Raymond Vincent Balzano	Bryan Conred Brown
Robert Anthony Bambara	Stephen Wilson Browning
Theresa Helen Bandala	Maribeth Perry Bruce
David Lawrence Bankoff	Lawrence Michael Bruksch
Mariona Marcia Barkus	Carole Bemler Buck
Barbara Ann Barr	Janice Renee Bumphus
George John Barry, Jr.	Janice Jay Buren
Carol Louise Bartsch	John Clint Burgess
Clive Marc Baumgarten	Stephen Reno Buttrey
Karen Sherman Beck	Arthur Anthony Calek, Jr.
William Joseph Beirne, Jr.	Avis Mortell Campbell
Stephen David Beitler	Elizabeth Maistadt Capos
Dennis John Belom	Carmella Sonia Caridi
Lael Goldwasser Belove	Dean Alan Carlson

ONE HUNDRED AND TWELFTH COMMENCEMENT

Thomas Webster Chauncey II
 Laura Gold Chernaik
 Joseph William Chessare
 Richard Arthur Christopher
 Larry Allen Ciupik
 Richard Bruce Clarfeld
 Bradd Evans Clark
 Nancy Elizabeth Clark
 Earl Mark Clemens
 Michael Lee Cochran
 Sharon Kaye Coffin
 Nancy Ruth Cohen
 Carl Zeigler Colby
 Richard Penn Irby Cole
 Clifford Joseph Collins
 John Michael Collins
 Roland Thomas Collins
 Donna Clausonthue Colucci
 Christopher Bryan Combe
 Karen Congoran
 Paul Francis Conley
 Leslie Ann Cook
 Tina Cotromanes
 Donna Jean Cousins
 Timothy Richard Craig
 David Jennings Crawford
 Barbara Gale Crespi
 Stuart Gardiner Cullen
 Michael Noonan Cullinan
 Barbara Sue Cummings
 Jonathan Dean Cumption
 Raymond Lawrence Czaplewski
 Lynn Clair Danford
 Henry Danko
 Stephen Fredric Danziger
 Bernard Thomas Dare
 Alan Phipps Darr
 Richard Paul Denning
 Donald John Denny
 Mary Alice Terese DeRose
 Dana Bradley DeVry
 Thomas Rogers Dewar
 Thomas Devlin Dickey
 Sybil Diana Dilger
 Mary Ellen Kathleen Dinneen
 Richard Frederick Dobos
 Gary Vern Doern
 John Elson Dolkart
 Dain Jack Domich, Jr.
 Linda Ann Dopples
 Stephen George Doty
 Charles William Douglas
 Coralie Doyen Downey
 Constance Catharine Duncan
 Lynn Ellen Eccleston
 Mary Ann Eddy
 Michael Grant Ehrlic, Jr.
 Brian Stephen Ehrlich
 Howard Avery Eiland
 Elizabeth Dorann Eisner
 Terry Allen Ekl

Stuart Mark Elkmann
 Stephen Richard Ell
 Thomas John Ellwanger
 Elizabeth Clemens Enderby
 Stephen William Englander
 Elliot Roy Enoki
 Claire Eugene Ethington
 Neil Richard Evans
 Kenneth Walter Faig, Jr.
 Robert Paul Farrington
 Patricia Karen Faus
 Mark Rudolph Feichtinger
 Ethan David Feldman
 Mary Sandra Ferlisi
 Marianne Fiermark
 Gwen Leslie Finkel
 Miriam Fischmann
 Jeffrey William Fitzwilliam
 James Anthony Fletcher
 Susanne Louise Flood
 Ray Thomas Forbes
 Marietta Blair Forlaw
 William Glenn Forsythe, Jr.
 Cheryl Marre Fosnacht
 James Arthur Foss
 Bruce Edward Foster
 Mark Fox
 Laura Antoni Frankenhoff
 Charles George Franz, Jr.
 Stuart Michael Fredd
 Arthur Leo Freund
 Charles Arthur Friedl
 Ilene Friedman
 Robert Louis Friedman
 Bobbie Joanne Frysinger
 Linda Fulponi
 Arthur Haig Gadarian
 William John Galler
 Margaret Eileen Gardner
 Robert Alan Garrett
 Janet Kay Gauker
 Walter Frank Gazdzik
 Bruce Alan Geiss
 Niki Gekas
 Gary Gelzer
 Lisa Denise Gershenson
 John Steven Gilbert
 Patricia Baumgart Giles
 Derek Allison Gilna
 Jean Elizabeth Girves
 Edward Frederick Glanz, Jr.
 Raymond Glassenberg
 Susan Eileen Goble
 Joyce Lynn Godar
 William Steven Gohr
 Mary Lynn Golden
 John David Goldenberg
 Candace Goldflies
 Howard Warren Goldstein
 Temmy Frances Goldwasser
 Victor Monroe Goode

NORTHWESTERN UNIVERSITY

Adrienne Joy Goodman
 Barbara Ann Gorby
 Kathy Sue Gordon
 Michael Edward Gorin
 Carolyn Jean Goshen
 Harvey Jay Graff
 Elizabeth Tolley Graham
 John Steven Grant
 Margaret Elizabeth Grant
 Andrew Brice Greene
 Andrew Kent Greenfield
 Stuart Jeffrey Greenman
 Robert Harold Greenspan
 Florence Greenwood
 Andrea Jane Grefe
 Russell Lee Griffith
 Philip Nelson Griswold
 Mary Margaret Grogan
 Constance Joy Grossman
 Marshall Kenneth Grossman
 Patricia Groverman
 Paul Jeffrey Growald
 Henry Gustave Grum
 Carlos Mauricio Dávalos Guevara
 Phillip Jeffrey Haas
 Harry Edward Hagerman, Jr.
 Cynthia Gail Hagler
 James Sage Hahn
 Linda Louise Hamaker
 Trudy Ellen Hamilton
 Suzanne Foote Hanks
 Richard Alan Hansen
 Mary Helen Hardin
 Andrea Lois Harnett
 Charles Henry Harper
 John Patrick Harrington
 Evelyn Clarkson Haskell
 Glenn Hausfater
 Deborah Drake Hawes
 Johanna Hawkins
 Nancy Lynn Hayes
 Michael Tietjens Heins
 Marc Howard Heisler
 Susan Lynn Helfer
 John Louis Heerman
 Laurie Lynn Henderson
 Barbara Jean Henek
 Bruce Michael Henkin
 Leslie Johnson Henninger
 Mary Kathryn Hernacki
 Charlene Josephine Heuboski
 James Allen Hewitt
 Felicite Waller Hill
 Richard Hamilton Hill
 Terrance Albert Hilliard
 Jeffrey Allen Hinkley
 Elizabeth Rowley Hirsh
 Ronald George Hitchcock
 Janis Lynn Hoffman
 Lawrence Thomas Hofmann
 Catherine Jane Holsen

William Winfield Hopkins
 Gail Lee Houart
 Kenton Alan Howenstine
 Bruce Alan Hubbard
 Joan Carol Huchthausen
 Patricia Mary Huebsch
 Doris Cecchi Huff
 Francis Jacob Huff
 Neal David Hulkower
 Susan Marie Hunter
 Micaela Scott Iovine
 Marianne Jackson
 Robert Alan Jacobs
 Casey John Jason
 Louise Rockwell Jensen
 Steven H. Jesser
 Susan Jessup
 Leighton Clifford Johnson, Jr.
 Nelson Edwin Johnson
 Wayne Douglas Johnson
 Charles David Jones
 John Robert Jordan
 David Lloyd Joslyn
 Jack Seymour Kadis
 Steven Karl Kahle
 Olivia Kay Kallile
 Arthur Sherman Kallow
 Robert Edward Kamman
 Catherine Ann Kaputa
 Gayle Ann Karhanek
 Sandra Merle Kassler
 Scott Bergan Kay
 Marian Murph Keith
 Mairén Claire Kelly
 Carol Louise Kemp
 Anthony Louis Kerasotes
 David James Kerchner
 Denise Eileen King
 Jerry Matson Kitman
 Henry Joseph Klayman
 Dennis Michael Kleper
 Douglas Brian Koff
 Luther Michael Kohl
 Paul Stuart Koller
 Stephen Michael Kraemer
 Malcolm Alexander Kram
 Christine Ann Kramer
 Susan Elizabeth Kramme
 Judith Anne Kremers
 Carole Lynn Kuebler
 Michael Ira Kurtz
 Norvel Wayne LaChance
 Anne Laurette Ladky
 Cheryl Gene Lake
 David Edward LaMontagne
 Kathy Ellen Landreth
 Larry Raymond Larson
 Jane Loth Lassner
 Marjorie Garmise Lastick
 Susan Carol Leathers
 Brent Graham Lebl

ONE HUNDRED AND TWELFTH COMMENCEMENT

Jay Lawrence Lebow
 Gregory Lewis Lee
 Thomas Lawrence Leeds
 Philip Lehner
 David Perry Leibowitz
 Paul David Leif
 Stephen Robert Leone
 William Robert Levin
 Linda Susan Levine
 Sheila Ann Levine
 Laurie Marilyn Levy
 Philip Richard Lewandowski
 Deborah Eve Lewis
 Daniel Liberthson
 Peter George Lilicy
 Gary Lindley
 Emil Lippe, Jr.
 Gary Stephen Lissner
 John William Longfellow
 Jeffrey Arthur Looker
 Maury Steven Lubet
 Donald Arthur Lubowich
 Don Albert Lynn
 Stephen Edward Lyons
 Margot Ellen Machol
 Sandra Kay Mader
 Barbara Jane Madgey
 Sue Ann Mahaffey
 Jane Mahoney
 Thomas Warren Malik
 Allen Bruce Manning
 Barbara Lynn Marcus
 Earl Thomas Marquardt
 Oscar Marquis
 Jennifer Lee Martin
 Madeline Louise Martyka
 Sandra Jean Marvin
 Edward Louis Mason
 Marcia Lee Matson
 Patrick Francis Matthews
 Georgiana Josephine Matus
 Leslie Jane McCain
 Louis Anthony McCall
 Janis Ann McCord
 Marcia Lee McCullough
 John Douglas McDaniel
 Gregory Tallman McKee, Jr.
 James Edward McKenzie
 Daniel Lawrence McLachlan, Jr.
 David Andrew McLain
 Robert David McMillan
 Margot Ford McMillen
 Gail Forbes McPherson
 Janet Mary Mead
 Trudie Medlock
 Carol Frances Meeker
 Michael Carl Meier
 Jo-Carroll Meinkoth
 Karl William Meisenheimer
 George James Mellendick
 Ricardo Melo
 Joel Jay Metter

Robert Allen Meyer
 Douglas Deane Miller
 John William Miller
 Margaret Louise Miller
 Norman Richard Miller
 Michael Joseph Milliken
 Richard Allan Moberg, Jr.
 Patricia Lynn Moeller
 Pauline Catherine Mohr
 Kenneth Donald Morgan
 Lyn Helen Morhardt
 Michael Henry Morris
 Susan Sanabria Morris
 Harry Edson Morse
 Robert Wayne Moths
 Carol Maureen Murrell
 Lawrence Edward Myer
 Richard Sandell Nelson, Jr.
 Elizabeth Neskow
 Michele Mia Neuberg
 Lawrence Newfeld
 Steven Nisenbaum
 John Edward Nolan III
 Jackalyn Ann Noller
 Alcestis Ritsos Oberg
 David Lowe O'Brien
 Diane Joy Ochman
 Suzanne Wilson Odell
 Adrian Martin Oleck
 Carol Ann Oliver
 Hilary Clare Olson
 Richard Sylvan Olson
 Katherine Ennis O'Neil
 Christina Maria Orlando
 Robert Dewit Owen
 Beverly Sue Packard
 Carolyn Evans Paine
 Marjorie Ann Passini
 Deborah Marcia Paulsen
 Robert John Pawlikowski
 Christine Jane Peel
 Charles Douglas Peelle
 Peter Jeffrey Peltier
 Irene Margaret Penev
 William Eric Perkins
 Roberta Louise Petesch
 Ellen Jane Philips
 Frances Deborah Phillips
 Lyda Grace Phillips
 John Stanley Piatkowski
 Stephen Shoemaker Pierson
 Penelope Eleanor Pigott
 Michael John Place
 Allison Andre Platt
 Daniel John Plebanek
 Michael Gregory Plopper
 Peter Vladimir Podluský
 Norton Barry Poll
 Theodore Zane Polley, Jr.
 Maureen Farney Posner
 Susan Carolin Powell
 Susan Diane Pownall

NORTHWESTERN UNIVERSITY

Kay Campbell Pranis
 Robert John Pratte
 Richard John Profita
 Nancy Ellen Pudlo
 John David Radd
 Jean Barbara Radovich
 Robin Leslie Raffer
 Craig Ray Ramon
 Ameen Ishak Ramzy
 Stephen Thorleif Rangen
 Gary Phillip Ratner
 Mary Elizabeth Ratty
 Debra Anne Ravitz
 Jane Lewis Rectenwald
 Joel Peter Redfield
 Douglas Edmund Reeck
 Mark Donald Reich
 Christine Maureen Rhode
 Sue Elizabeth Rhoden
 RONALDA ALITA RHODES
 Kent Anthony Rice
 Patricia Ellen Richards
 Barbara Linda Richter
 Leslie Ada Hoffmann Rickmeier
 Steve Milford Rickmeier
 Jeri Lee Riddle
 George David Ring
 Georges Frederick Rocourt
 Mary Dee Rogers
 Elizabeth Margaret Rogoz
 David Rosen
 Ronald Cary Ross
 David Lee Ross
 Jeffrey Thomas Ross
 Andrew Morris Roth
 Robert Keith Rothbart
 Patricia Diane Rowan
 Neil John Rowe
 Janet Ellen Rubin
 Katharine Anne Russell
 Paul Frederick Russell
 Georgia Ann Rutherford
 Cynthia Carol Ruttger
 John Francis Ryan
 Linda Beth Saag
 Marjorie Lea Sahlin
 Roberta Weissman Samuels
 William Paul Sanders
 Jeanette Michelle Santaro
 Thomas Anthony Sargent
 Nancy Ann Satterthwaite
 David Andrew Sauer
 Elisabeth Ruth Sauer
 Mary Jean Saville
 Donna Lee Sax
 Judith Ellen Saxe
 Jerome Alan Saxon
 James Martin Schaeffer
 Joel Sanders Schecter
 Steven Jay Scheer
 Mary Terese Schiavone
 Gail Linnea Schiefelbein

Joel Barry Schilling
 David Joseph Schiltz
 Evans Roy Schoeman
 Amy Jo Schoenenberger
 Robert David Schooler
 Andrew Mark Schopick
 Susan Lynn Schultz
 Jean Ellen Schwartz
 Katherine Anne Schwering
 Robert Lee Seigle
 William Lydston Seyl
 Craig Alan Shadur
 Gerald Stephen Shatz
 Betty Ann Sheve
 Stuart H. Shiffman
 Roger Allen Simpson
 Carol Ann Sitka
 Phillip Anthony Skoczels
 David Jan Skorton
 Donna Lee Slatin
 Marguerite Lenore Slocumb
 Elizabeth Annette Slothower
 Michael Clark Smith
 Stephen Craig Smith
 Nancy Joy Snapp
 Kim Morris Snyder
 Margaret Joan Sobolewski
 Jayne Dorow Solberg
 Christine Rose Soltes
 Anice Sonheim
 David Alan Sosnowsky
 James Leo Spenko
 George Charles Stacy, Jr.
 Stroud Phillip Stacy II
 Claudia Rae Stallings
 William Stamelos
 Diana Judith Stanley
 Susan Irene Stanton
 Robert Alan Stark
 Casimir Raymond Starsiak
 Stanley Paul Stasiulis
 Richard Eric Steck
 Jane Leslie Stefan
 Linda Lee Sterba
 Jayne Louise Stettenbenz
 Roberta Carrie Stewart
 Kurt Hillis Stiver
 Eric Stonehill
 Karin Margaret Strand
 Jeanne Ellen Strunk
 Jo Ann Stuppy
 Patricia Anne Sugimoto
 Anne Helen Sullivan
 David Michael Sullivan
 Joan Parker Sutton
 Karin Louise Swanson
 Peggy Carol Sweeney
 Christopher Latimer Sweet
 Donald Avery Sylvan
 Guy Robert Syvertsen
 Nicole Mary Taghert
 Thomas Richard Tarallo

ONE HUNDRED AND TWELFTH COMMENCEMENT

Barry Philip Taylor
 Sharon Judy Teitelbaum
 Robert Walter Thacker
 Virginia Mary Thiel
 Susan Elizabeth Thiele
 Norman David Thomas
 John Charles Todd
 Gene Edward Topper
 Dean George Topping
 John Stephen Torgersen
 Karen Beth Trachtenberg
 David Michael Trobiani
 Sally Jo Trued
 Thomas Neil Truesdell
 Daphne Maxwell Tubbs
 Deborah Weiss Tullman
 Douglas Keith Turner
 Nan Turner
 Trudy Rebecca Turner
 Richard Tye
 Mae Edith Tyler
 Bonnie Lee Typlin
 Thomas Neal Tyson
 Chris Dimitri Tzarnas
 Suzanne Christine Urban
 Barbara Sophie Urbanczyk
 Kelly Foster Vance
 Patricia Anne Vanikiotis
 Robert Michael Van Slambrouck
 James Richard Vassilos
 John Kenneth Veeneman, Jr.
 Jack Phillips Ver Steegh
 Stéphane Jean-Paul Vézina
 Linda Lea Vincent
 Kurt Edward Vragel, Jr.
 Carol Jean Wagner
 Roy Allan Wahnert
 Sheila Christine Waitkus
 Ruth Ethel Waldfogel
 Barbara Jeanne Walker
 William Kenneth Walker II
 Lynne Smith Wallace
 Andrew Bard Wallach
 Kathleen Marilyn Walsh
 Susan Jane Ward
 Peter Bernard Warshaw
 Allan Richard Wasem
 Terry Watkin
 Vicki Lynn Weatherford
 Mary Eva Weber
 Bonnie Brilliant Weinhoff

Christopher Harold Weir
 Steven Riess Weisbrod
 Peggy Jane Weiss
 Betty Gatewood Wellman
 Gregory Anthony Welte
 Stephen Covington Westcott
 Harold Tredway White III
 Mary Patricia White
 Debra Jill Whitley
 Frances Boudinot Whitlock
 Judith Noel Widmer
 James Christian Wilborn
 Joanne Johnson Willoughby
 Craig Richard Wills
 Dolores Marie Wilson
 Elizabeth Kellner Wilson
 Stephen Ray Wilson
 Max Eugene Wingerd
 James David Winship
 Pamela Irene Wise
 Penelope Jane Wisner
 Terrence Henry Witkowski
 Louise Ann Wolf
 Margery Brawley Woll
 Barry Robert Wood
 Virginia Hancock Wood
 Norman Lee Wool
 Stephanie Ellen Worden
 Barbara Ann Woyak
 Mary Anne McCanna Wray
 Barbara Malka Wyner
 Richard John Yarger
 Dvorah Smoler Yastrow
 Stephen Kenneth Yates
 Robert Edward Yeats
 Ngai Ming Yee
 Michael Ralph Yelich
 Ernie Mun Sun Yim
 Jenny Dale Yonkers
 Patricia Ann Yost
 Donald Allen Young
 Pauline Mary Ann Yuen
 Donald Eugene Yuhas
 Gary Lee Zambito
 Bettijane Zetterberg
 John Henry Ziegenbein
 Margery Helane Ziffrin
 Emily Ann Zigo
 Leigh Carol Zimmerman
 Edward John Zulkey

BACHELOR OF PHILOSOPHY

Patricia Helen Anguish
 Needia Kaur Bains
 Catherine Marie Begole
 Rebecca Ragsdale Bergstrom
 Mercedes Alva Blanco
 Wayne Edward Brown
 Aldona Valeisa Brusokas

Peter Chalikian
 Betty Jean Coleman
 Anne Robinson Connelly
 Lawrence Joseph Connelly
 Clarence Clifton Currie, Jr.
 Phyllis Bauer Dubnick
 Joan Eva Dugle

NORTHWESTERN UNIVERSITY

Ronald Wade Dykstra
John Leonard Erion
Marilyn Joan Fall
James Edward Famey
John Frederick Fisher
Jon Delaney Ford
David Allen Froh
Dennis Joseph Gallo
Mary Elizabeth Gauthier
Nico Gerard Genet
Dennis Joel Gross
Fred Scott Harris
Charles August Herrig
Eugenie Call Johnson
Lillian Johnson
Mary Louisa Jones
Maria Baez Kijac
Virginia Ann Krause
Darlene Ann Kraft
Dushan Joseph Krocko
Anna Kuberski
Carole McLaughlin Lesly
Harriette Elizabeth Mares
James Michael McDermott

Joseph Elliott Moslander
John Anthony Papadakis
Ronald Anthony Paul
Elaine Stallas Phillips
Eugene Mark Pourciau
Joseph Samuel Premack
Janet Reshkin
Wilma Dement Rich
Sandra Ripkey
James Edward Roach
Carolyn Kay Roberts
Madeline Frances Pinkowitz
Schwenk
Robert Michael Seper
Doreen Goss Stelton
Stephanie Lynne Stiles
Joseph Peter Anthony Tomczyk
Richard Frank Tuka
Lloyd Van Dermark
Jan van der Graaf
Marjorie Howard Vinnedge
Henry George Westphal
Craig Stephen Wiedemann

BACHELOR OF SCIENCE IN GENERAL EDUCATION

Phillip Stanley Arendt
Karen Docken Capps
Ann Ruth Chalem
Roger James Cunningham
Yolanda Missar Deen

David Edward Hammond
Barbara Mann Levy
Margaret Paslaski
Norman Davis Provan

THE SCHOOL OF MEDICINE

Candidates presented by DEAN RICHARD H. YOUNG

DOCTOR OF MEDICINE

Harold Pomeroy Adams, Jr.
Douglas James Adlemann
Thomas Fred Alguire
Mark Alan Amdur
Steven Akira Azuma
Diane S. Babcock
John Reed Babcock, Jr.
Donald Church Balfour III
Daniel Lewis Bauer
Gordon David Baumbacher
Sandra Kay Bayly
Michael Joseph Beinor
Michael S. Bensman
Howard Sidney Berk
George Edward Bernard

Ethan Malcolm Braunstein
James Thomas Brown
Peter Watson Brown
Rodney Frederick Carlson
Dennis Ronald Carlyle
Stanley Newell Carson
Robert Francis Cerza
Robert Hanley Choplin
Jeffrey David Chulay
John Sayler Coon IV
Thomas Paul Cornwall
Michael Stanley Damroth
Peter Edward Doris
Sandra Smorol Drewes
John Edward Dunne

ONE HUNDRED AND TWELFTH COMMENCEMENT

Carol Sue Englander	Paul Frederic Palmberg
William Deward Ferris	William Joseph Parker, Jr.
Edward Joseph Fik III	Bradley Morris Peterson
John Edward Forestner	Harriet Ho Pien
Edward Henry Forkos	Jerry Allen Ponitch
John Joseph Frey III	William Howard Porter
John Lee Froiland	George Thomas Rab
Robert Anthony Frost	Richard Alan Rak
Paula Bills Fuqua	Nick Rango
Ruth Gandell	Lawrence Arden Rathbun, Jr.
Jon Ernest Gibbs	Lawrence Malcolm Resnick
Carl Frederick Giesler	William Bassett Ricks
Richard Frank Gillum	Carole Ann Rosanova
George Joseph Gilson	Michael Emanuel Rosenberg
Thomas John Goberville	David Alan Rosenfield
Robert Alan Goldstein	Joseph Edward Russ
Kenneth Bruce Graulich	James Louis Sacksteder
James Edward Greenlee	Roger Gene Santala
Samuel Webster Hall, Jr.	Bruce Frederick Scharschmidt
James Daniel Hanson	Michael Schatz
Gerald Jay Harris	Bert Bern Schoenkerman, Jr.
Thomas Joseph Hausam	Charles Lynn Shabino
Susan J. Hemmingway	Michael William Shannon
Gail R. Jennings	Sam Albert Singer
John Charles Jennings	Marc Hugh Slutsky
Philip Bruce Johnson	Douglas Edwin Smith
Kenneth Cameron Johnston	William Bert Smith
Ronald Bert Joseph	Stewart Martin Spies
Richard Francis Kehoe	Vernon H. Stensland
John Charles Kelleher, Jr.	Susan Mary Stenson
David James Knesper	James Hunter Sternberg
Karsten Fredrich Konerding	David Leroy Stevig
James Dennis Lakin	Randall Roger Stoddard
William Richard Leahy, Jr.	Elaine Ann Strobot
Thomas Edward Leffler	Mark Allison Studley
Arleen Claire Levin	Erwin August Stuebner, Jr.
Howard Leslie Levine	Michael Jack Supancich
Andrew Lewicky	Joel Tew
James Daniel Longpre	I. Richard Toranto
Osvaldo Inocente Lopez	William Ralph Tschetter
Roy Sidney Lowenstein	David Arlie Vagneur
Hubert Lynn Magill	Ronald Van Buskirk
Francis Xavier Maher III	John William Ver Steeg
Anne Rosemary Maledon	Jeffrey Hugh Watters
Joseph McElroy Mann III	Steven Weiner
Roger Alan Mansnerus	Lee David Weiss
Louis Henry Martone	Wallace James Werner
John Paul McGee, Jr.	Guy Thomas Williams
John Francis McLaughlin	Stephen Nellis Wilson
Eli Kasimir Michaels	Roland Whaley Winterfield, Jr.
Robert Scott Mitchell	Robert Lawrence Woelfel
Kenneth James Murray	Peter Bulkley Woollett
John Roderick Neale	Christian Dennis Wunsch
Robert Batholomew Newell, Jr.	Sidney Yassinger
Gaylord Carl Nordine	Kamen Nikolov Zakov
William Barlow Ogden	Michael Stewart Zeide
Michael Orlinsky	

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN MEDICINE

Ronald John Bacik
James Edward Bourdeau
Lee Mason Bourdeau
Walter Clark Boutwell
Barbara Kay Burton
Jay Arthur Cohen
Patricia Ann Davison
Bernard Dunne, Jr.
Geoffrey Engel
Virginia Carol Fiedler
Larry James Fundell
Daniel Gardner
Steven Mark Golbus
Stanley Joseph Goldberg
Alfredo Angel Gonzalez
Wayne Elliot Jakes
Mart Jalakas
Gregory H. Johnson
Lora Jean Kuhr
Stephen Harold Ladwig

Robert Raymond Luther
Thomas Andrew Marciniak
Michael Thomas Mazur
Philip Kirk McCullough
Robert Charles Midgley, Jr.
Craig Stanley Miller
Byron Lee Monore
David Jack Morris
Julie A. Nickelsen
Alfred John Padilla
Oscar Pakier
Laurence Gordon Paull
Peter Elliot Politser
Roger Alan Potish
Dana Prescott Rabideau
Kenneth Chad Roberts
Steven Thomas Rosebrock
Brian John Salmen
Lloyd Eugene Solberg
Kenneth Alan Wolkoff

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Valarie Jean Harmon
Dorothy Jean Kramer

Audrey Lynn Zednek

BACHELOR OF SCIENCE IN PHYSICAL THERAPY

Georgia Ann Bishop
Kathryn Angermeyer Brick
Linda Diane Buday
Barbara K. Cone
Susan M. Delaney
Heather C. Higbee
Jean Marie Howard

Marshall R. Meilach
Heather Patricia O'Connor
Wayne Vincent Roden
Sandra Tahara
Rosemary Ruth Ward
Nancy Ann Wessel

THE SCHOOL OF LAW

Candidates presented by DEAN JOHN RITCHIE

DOCTOR OF JURIDICAL SCIENCE

Gideon Kariv, LL.B., Hebrew University, 1965; LL.M., 1967; M.C.L., University of Chicago, 1968.

MASTER OF LAWS

Paul Jackson Rice, LL.B., University of Missouri, 1962.

ONE HUNDRED AND TWELFTH COMMENCEMENT

JURIS DOCTOR

Milford Ames Ardell	William Grier Kelly, Jr.
Robert Logan Ashbaugh	Thomas Edward Kerr III
Edward Graham Bailey	Terrence Edward Kiwala
Richard James Bara	Michael Vincent Kowalski, Jr.
Eugene Howard Bernstein	Jerry Edward Kugelman
Allen Dale Berry, Jr.	Stephen Jay Landes
Thomas William Bianchi	Richard John Lang
Barbara Emily Boettcher	Pamela Ann Lenane
Stuart Marshall Bordman	Daniel John Lenckos
Douglas Michael Branson	Stephen Philip Linzer
Charles St. Clair Brown	Burton Howard Litwin
Douglas Gary Brown	Myron David Louik
Richard Michael Brown	Gottlieb John Marmet
Warren Earl Brubaker, Jr.	Thomas Anton Mauet
Nicholas Bull	Thomas Michael McMahon
Frederick Simon Burstein	David Merwin Mitchell
Douglas Arthur Cairns	Michael Bernard Mushlin
Jayne Ann Carr	Dennis Richard Neiman
William Gordon Catron III	Eric Leland Olson
Vivien Clair	Roland Louis Papendick
Barry Eugene Cohen	Randy Lynn Parcel
Donald Stewart Cohen	Sheldon James Perlow
George William Connelly	John Calvert Piper
Richard Garrett Crotty	Mark Alan Potter
James Howard Dall	Bradford John Race, Jr.
Glenn Arthur Davis	Robert Frederick Reed
James Vincent De Marco	Stuart James Reilly
Edward Richard De Vito	Louis Alan Reisman
Leonard Peter Diorio	Paul William Rink
William Milford Elsbury	William Christy Robb
Mark Barry Epstein	Ellen Kathleen Roberson
Edward Anthony Fessler	Donald Theodore Rocen
Richard Corbett Fiddes	Daniel Charles Rooney
Robert Alan Filpi	Stuart Neil Roth
Robert Francis Forrer	Leonard Singer
Peter Taylor Fortune	John Jacob Sjöholm
Robert Gerald Foster	Paul Ethan Slater
Robert Charles Friese	Jonathan Solomon
John Stuart Garbutt	Lawrence David Solomon
George Shepard Ginsberg	Bruce Samuel Sperling
Edward Samuel Grenwald	John Richard Stanish
Sharon Hope Grossman	John Daniel Stewart
Arnold Stuart Harrison	Andrew Martin Strojny
William Kenneth Hedrick	William Harold Theis
Lawrence Kent Hellman	Howard Alan Tullman
Stephen Bernard Horwitz	Marvin Dean Truhe
Richard Jerold Hoskins	Ashton Carr Waller, Jr.
Sandra Jean Isabella	Gerald Allen Weihs
Robert Frederick Jacks	Jeffrey Michael Weiner
Edward Alexander Jaffe	Robert Hobert Wheeler
Susan Borkan Jordan	Steven Neil Wohl
Barry Hal Kahan	Jaye Ann Whittier
Cheryl Sue Karner	Benham Robert Wrigley
David Fred Keast	Larry Martin Zanger

THE SCHOOL OF SPEECH

Candidates presented by DEAN JAMES H. MCBURNEY

BACHELOR OF SCIENCE IN SPEECH

Don Lamar Adams
 Pamela Leland Adams
 Michael Nicholas Adinamis
 Donald Keith Anderson
 Lynn Harris Anderson
 Dale Ilene Asrael
 William Badolato
 John Gardiner Behr
 Karla Gay Bender
 Helen Margaret Bennett
 Jennifer Mandeville Bergin
 Phyllis Strauss Berman
 Carol Ann Biays
 Ruth Adele Brandt
 Leslie Eibel Bravman
 Katherine Anne Breen
 Michael Mark Brenner
 Leslie Ellin Brin
 Josephine Bronaugh
 Sheryl Paula Brookner
 Beverly Louise Brown
 Gerald Jay Buchwald
 Deborah Lynn Campbell
 Robert Joseph Carlson
 Kathleen Louise Carr
 Maureen Frances Cleary
 Robert Ira Collins
 Phyllis Pavlovic Conway
 David Costello
 Harold McKinley Daniels
 Patricia Cate Day
 Karen Anne DeLeeuw
 Carolyn Jeanne DeMoney
 Susan Anne Eckardt
 Wendy Eckman
 Blythe Egan
 Anne Kennedy Ehrbar
 Mark Edward Eisman
 Julie Coplon England
 Michael Robert Epton
 Freddi Lynn Elman
 Martha Helen Evans
 Richard Gwilym Evans
 Janice Miller Fairchild
 Amy Elizabeth Farrell
 Wendy Aylsworth Files
 Allan Dales Foster
 Lynn Susan Freeman
 Jill Shapiro Friedberg
 Joan Levin Friedman
 Roger Samet Friedman
 Barbara Ann Fritze
 Nora Beth Gaffin

Linda Gene Garcia
 Robert Lee Garrison
 Scott Edward Gerber
 David Howard Gersh
 Laura Beth Gessow
 Wendy Ann Glaenzer
 Paula Marlene Goldstein
 Terry Sue Goltz
 Dale Gordon
 Nancy Jean Greenwald
 Dennis Neal Gordon
 Robin Dale Gran
 Susan Andrea Hagstrum
 Richard Arnold Hamar
 Juaquita Elaine Harris
 Robert Dale Harrison
 Pamela Hartley
 Clarence Curtis Heeter
 Mary Louise Heron
 John-Edward Hill
 Peter Knowles Hixson
 Sandra Lee Holland
 Nancy Ruth Hollander
 Marta Tolline Holmgren
 Judith Horwitz
 Mary Hudson
 Theodore Kay
 Susan Patricia Kaye
 James Peckham Keach
 Robert Mark Keenan
 Dale Kelley
 Rikki Jo Klieman
 Clyde Sei Kusatsu
 Amy Jo Lanferman
 Barbara Mae Lasky
 Roxanne Cynthia Legler
 Jerry Leigh Lockwood
 Robert Suk Yeun Loh
 Vicki Sue Loveness
 Jody Ann Lowenthal
 John Wilson Lower
 Adele Amelie Margrave
 Craig Alvin Marks
 Lyn Elizabeth Marschner
 Barbara Lucille Mauro
 Michael Harlan McCartney
 Caroline Barnes McDermott
 Mitties McDonald
 Catherine Elizabeth McGinty
 Andrea Meditch
 Susan Laurie Miller
 Tom Eugene Mitchell
 Susan Bel Morley

ONE HUNDRED AND TWELFTH COMMENCEMENT

Frank Charles Morris, Jr.
Carol Erting Morton
Gwen Ann Mugg
Richard David Nirenberg
Toya Jan O'Hora
Laura Ruth Oswald
Michelle Gabrielle Parise
Gordon Marshall Patterson
Raymond Douglas Pike
Ellis Harold Pines
Linda Iris Pollak
Patricia Jane Press
John Michael Pruett
Pamela Jean Pulver
Howard James Reekie
Melissa Ann Rickards
Jeffrey Leonard Ripley
Gregory Stephen Roegler
Phyllis Jean Rood
Gaynelle Rothermel
Carole Lynn Rothman
Robert Louis Rousse
Michael Roy Routenberg
Claire Elizabeth Ruple
Blake Anthony Samson
Lewis Michael Sang
George William Sarris
Richard Alan Sax
Shirley Ann Schmidt
Myron Arthur Schreck
Louis Charles Schueddig
Martha Lynn Schuman

Jacqueline Schwarz
Barbara Jean Scrivner
Sharon Louise Seckel
Barbara Targ Seeder
Kathleen Mary Shafer
Kevin Joseph Sherman
Maralyn Elizabeth Short
Ruth D. Silverman
Detra Darlene Smith
Georgia Anna Stathis
Thomas Weimer Stebing
Laura Helen Stern
Susan Nerine Stieg
Kathleen Anne Surina
Curtis Lane Sytsma
Charles Gregory Tachovsky
Toni Elizabeth Taylor
Phyllis Lee Thorpe
Natalie Carleton Tolles
Mary Jo Trutna
Peter Hubbell von Mayrhauser
Ronald Joseph Waicukauski
Suzanne Ward
Katherine Theodora Wasil
James Gerald Weinstein
Norman Alan Welch
Mary Anne Whiteman
John Charles Wiles
David Dylan Williams
Linda Louise Woodrum
Arnold Eugene Wright
Dorienne Nina Zweibel

THE SCHOOL OF DENTISTRY

Candidates presented by DEAN GEORGE W. TEUSCHER

DOCTOR OF DENTAL SURGERY

Paul Thompson Atkinson
Donald Phillips Aust
John S. Barr
William White Bradford
Terry Emmett Brady
Jon E. Bridston
David Ole Carbone
Dudley Cheu
George J. Chionis
Michael Paul Cosby
Gregory William Cramm
Robert Craig Crouse
John Clarence Curry
Jeffrey Shelton Davee
Stanley Y. Doida
Fredric Ross Fiersten
Alan W. Guerrie
Alfred Leon Hanson

John Walter Hargrave
Lawrence Joseph Heppner
Aldona S. Horbal
Barry Layle Johnson
Mark Bernard Kay
John Stephen Kovatch
Richard Cadmus Lathrop
Robert Scott Lauren
Howard Neil Lee
Andrew Charles Loomis
Thomas Holmes Ludlow
Carl Phillip McHugh
Olin Glaze McKenzie III
Stephen J. Newcomer
Arthur Jason Novick
Michael Doyle Odland
Gerald G. Oveson
Dillon Anthony Oxborrow

NORTHWESTERN UNIVERSITY

Richard Owen Petty
Darrel Dean Pospisil
Frank Alan Potts
Kenneth E. Richardson
Richard Raymond Sanders
Gerald Robert Scimeca
Andrew Joseph Severson
F. Allen Shaw
Paul Alan Simon
Edwin Steven Smith
Adam Anthony Solano
Barry Blodget Staley

Richard Coe Stayner
Jerald Satoru Takesono
Charles Alan Townsend
Charles Douglas VanDyck
Thomas R. Wagner
Wayne L. Wagner
Lewis M. Westover
Leslie Johnson Williams, Jr.
Don Royce Wilson
Elliott W. Wu
Philip Richard Zelson

THE SCHOOL OF MUSIC

Candidates presented by DEAN GEORGE HOWERTON

DOCTOR OF MUSIC

With Titles of Compositions and Projects

- Richard John Sovinec, B.M., Northwestern University, 1955; M.M., 1956. Composition. *Fifteen Overlap One for Full Orchestra; Woodwind Quartet No. 2; Sonata for Clarinet; String Quartet; Ten Mills; Serenade.*
- Durward Clifton Ware, Jr., B.A., University of Southern Mississippi, 1962; M.M., Millsaps College, 1959. Written Projects. *Henry Purcell's Sacred Solo Songs; A Musical and Dramatical Analysis of the Tenor Role of Des Grieux on the Operas "Manon" by Massenet and "Manon Lescault" by Puccini; Gerald Finzi: Songs for High Voice.*

MASTER OF MUSIC

- Karen Jeanette Anderson, B.M.E., Milton College, 1966.
- Richard Paul Anderson, B.A., Arizona State University, 1968.
- Karen Lee Berlin, B.S., Northland College, 1964.
- Camille Diane Bertagnolli, B.M., Alverno College, 1963.
- Thomas Bonner, Jr., B.A., Houston Baptist College, 1969.
- Lisle Michelle Cameron, B.M.E., Colorado State College, 1966.
- Joseph Robert Celli, B.M.E., University of Hartford (Hartt College of Music), 1968.
- Roberta Christine Crawford, B.M.E., Alverno College, 1969.
- Margaret Michele Daniel, B.M., Wesleyan College, 1968.
- James Clough Danly, Jr., B.S., Yale University, 1966.
- Victoria Pamela Darda, B.M.E., Northwestern University, 1968.
- Margaret Mary Drago, B.M.E., Alverno College, 1969.
- William James Eichorn, B.M., Illinois Wesleyan University, 1969.
- Mary Ellefson, B.A., Augustana College, 1969.
- Lee George Engstrom, B.M., College of Wooster, 1969.
- Susan Melanie Filler, A.B., University of Illinois, 1969.
- William A. Foss, B.M., Illinois Wesleyan University, 1969.
- Sheldon Michael Gershon, B.M.E., Northwestern University, 1969.
- Lisa von Pechmann Gornik, B.M., Northwestern University, 1969.
- Milton Lewis Granger, B.M., University of Missouri, 1969.
- James Madison Higdon, Jr., B.M., St. Olaf's College, 1969.
- Devon Glenn Hollingsworth, B.M., Wheaton College, 1968.
- Jill Segress Hunt, B.M., Oklahoma City University, 1967.
- Marguerite Iskenderian, B.M., Oberlin University, 1967.
- Craig Arthur Johnson, B.M.E., North Park College, 1969.

ONE HUNDRED AND TWELFTH COMMENCEMENT

William Richard Jones, B.M., Northwestern University, 1969; B.M.E., 1969.
 Robert Fred Kern, B.S., Illinois State University, 1966.
 Paul Rey Klecka, B.M., Northwestern University, 1969.
 Constance Ann Krinke, B.A., Hamline University, 1968.
 Hee Kyung Kwon, B.A., E.W.H.A. Women's University, 1968.
 Linda Dillon Mabbs, B.M.E., Northwestern University, 1968.
 John William Magnuson, Jr., B.A., Northwestern University, 1960.
 Margaret Camille Mann, B.A., Maryville College, 1968.
 Kenneth Howard MacRae Marchant, B.M., University of Oklahoma, 1969.
 Beverlee Ann McCollum, B.M.E., Drake University, 1967.
 Gwen Colescott Mullen, B.A., Carleton College, 1960.
 Winnifred Harrison Nelson, B.A., Knox College, 1945.
 Carol Adele Noel, B.M., Boston Conservatory of Music, 1962.
 Lewis Emanuel Peterman, Jr., A.M., San Diego State College, 1969.
 Fred Martin Plattner, B.M.E., Millikin University, 1963.
 Mark Podolnick, A.B., Western Reserve University, 1969.
 Belva Worthen Prather, B.A., Arkansas Polytechnic College, 1967.
 Samuel Winford Prather, Jr., B.A., Arkansas Polytechnic College, 1967.
 Allyn Dixon Reilly, B.M., Millikin University, 1968.
 Marsha Lynne Leona Reilly, B.M., Millikin University, 1968.
 David French Romaine, B.M.E., Baldwin Wallace College, 1968.
 William Calvin Rorick, B.A., Ohio Wesleyan University, 1963; B.M., University of Utah, 1968.
 Barbara Rae Seidman, B.M., The Cleveland Institute of Music, 1969.
 Pauline Judith Shaw, B.M.E., Millikin University, 1968.
 Anne Louise Sherbondy, B.M.E., Indiana University, 1964.
 John Anthony Stephens, B.M.E., Central Methodist College, 1969.
 Lucille Harriet Stern, B.M.E., Roosevelt University, 1957.
 Rowena Mae Dobbins Stempel, B.M., Cornell College, 1968.
 Marilyn Berdine Taylor, B.M.E., University of Illinois, 1968.
 Michael Joseph Thiele, B.M., Wisconsin State University, 1969.
 Nancy Chia-liang Tjan, B.A., Taiwan Normal, 1966.
 Miriam Paula Tucker, B.M., Wesleyan College, 1968.
 Richard Paul Turasky, B.M.E., American Conservatory, 1965.
 Adolphus Acquah Robertson Turkson, B.M., Bela Bartok Academy of Music, 1967.
 Sylvia Dayeene Wallach, B.M.E., Milton College, 1967.
 Barbara Ellen Wrieden, B.M.E., Northwestern University, 1969.
 John Edgar Young, B.M., Wichita State University, 1969; B.M.E., 1969.
 Henry David Zazra, A.B., University of Illinois, 1969.

BACHELOR OF MUSIC

Judith Ellen Adams	Angeline Johnson Galbraith
Daniel Andrew Anderson	James Paul Grady
Diane Baldwin	Stephen Goodenow Heaver, Jr.
Caren Lea Black	Charles Richard Horton, Jr.
Lesley Margaret Bollinger	Karen Jane Huso
Susan Haendle Bowker	Renee Jumes
Thomas Arthur Brantigan	Jeannette Smith Junk
Wayne Richard Buck	James William Koenig
Richard Louis Burton	Donna McNeil Leatzow
Chester Lawrence Campbell II	William Steven Lucky
Elaine Lois Donenberg	Esther Meilup
Barry Stewart Donner	Margot Nahigian
Helen-Kay Eberley	Matthew Francis Naughtin
Susan Carla Ekholm	Margaret Masako Okimoto
Jane Ellen Ferrell	Gayle Patricia Pantaleo
David Michael Frank	Susan Frances Pollock

NORTHWESTERN UNIVERSITY

John Joseph Schauer
Eileen Mary Sheridan
Fredrick Ross Snyder
Terry Carl Spina

Nancy McCall Teat
Roland Paul Urbanick
Gerald Carl Weiland

BACHELOR OF MUSIC EDUCATION

Noralee Angeli
Marianne Yeager Ash
Joyce Idelle Brereton
Gary Alan Brown
Nadine Susan Cantor
Robert Francis Dehm
Douglas Lynn DeVoss
Daryl Enid Goldberg
Edward Joseph Gornik, Jr.
Anne Paulette Johnson
Mary Boardman Johnstone
Margaret Ann Leach

Trudy May Makela
Mary Katharine McGunegle
Susan Paige Miller
Roger Lee Nelson
Richard Edward Norment III
Carole Louise Radecki
Marjorie Frances Shansky
Ara Nelle Shoemaker
Patricia Ellen Skale
Kathryn Ellen Smith
William David VonGillern
Shelley Yoelin

THE SCHOOL OF BUSINESS

Candidates presented by DEAN JOHN A. BARR

MASTER OF BUSINESS ADMINISTRATION

Kaoru Aizawa, Bachelor of Law, The University of Tokyo, 1965.
Carl Robert Akeson, B.S.B.A., Northwestern University, 1966.
Arthur Richard Anderson, B.S., University of Wisconsin, 1963.
Richard Paul Anderson, B.S.B.A., Northwestern University, 1969.
Burt Samuel Andrews III, B.S., Iowa State University, 1957.
Ernest Webster Armstrong, B.S. (Pharmacy), Howard University, 1967.
Hiroshi Asano, Bachelor of Economics, Aoyama Gakuin University (Tokyo), 1965.
Richard Warner Ashley, B.A., Northwestern University, 1965; J.D., University of Wisconsin, 1968.
Spiro Augoustatos, B.S.I.E., University of Illinois, 1966.
Adolfo I. Autrey, Attorney At Law, University of Mexico, 1968.
Charles Perlitz Bâby, A.B., Princeton University, 1968.
James Henry Bader, B.A., B.S.M.E., Lehigh University, 1967.
Gerard Anne C. Bakker, LIC. OEC., Saint Gall Graduate School, 1969.
Charles Frederick Barnes, B.A., Denison University, 1968.
William Lawrence Barwis, Jr., B.S., The Pennsylvania State University, 1969.
Marc Charles Béatrix, M.S., Université de Poitiers, 1968.
Peter Wallace Berg, B.S., Miami University, 1964.
Charles Thomas Berry, A.B., Dartmouth College, 1967.
Michael Clare Berryhill, B.S., Arizona State University, 1969.
Kenneth Chester Bieschke, B.B.A., University of Notre Dame, 1969.
Nancy Soller Bingman, B.S.B.A., Northwestern University, 1969.
John Francis Bleharski, B.S.B.A., Northwestern University, 1969.
Jeffrey Ernest Bloom, B.S.E., University of Connecticut, 1966.
Barry Steven Blumstein, B.S., New York University, 1969.
Beryl Bobinette, B.A., DePauw University, 1965.
Thomas Owen Boucher, B.S.E.E., University of Rhode Island, 1964.
Louis Francis Boxleitner, B.A., Brown University, 1968.
Marie Louise Brandt, B.S.B.A., Roosevelt University, 1969.
Robert Louis Brantley, B.S., Illinois College, 1968.
Stewart Holder Bridgforth, Jr., B.S., Mississippi State University, 1965.

ONE HUNDRED AND TWELFTH COMMENCEMENT

Thomas Wise Brock, B.S., Miami University, 1969.
 Martin Noah Brody, B.S.B.A., Northwestern University, 1969.
 Jacqueline Stone Brown, A.B., Vassar College, 1968.
 Thomas Lee Brown, B.S., Purdue University, 1967.
 William Preston Brown, B.S.B.A., Northwestern University, 1962; M.S.J., 1963.
 Martin Burke Bukoll, B.B.A., Loyola University, 1969.
 Wallace Lockwood Burt, B.S.B.A., Northwestern University, 1969.
 Morgan Franklin Bryan, B.A., University of Cincinnati, 1957.
 Jack Lloyd Butts, B.S., Purdue University, 1962.
 Alan DeWitt Caine, B.S.B.A., Roosevelt University, 1968.
 Patrick Joseph Callahan, Jr., B.S.C.E., University of Notre Dame, 1964; M.S.C.E., Stanford University, 1968.
 Robert Harold Campbell, B.S., University of Kansas, 1968.
 James Joseph Canna, B.B.A., University of Notre Dame, 1969.
 Roy James Canon, B.S., Florida State University, 1963.
 James Russell Cansler, B.S.B.A., University of Nebraska, 1969.
 Curtis Marshall Carlson, B.S.M.E., Case Institute of Technology, 1964.
 Virgil R. Carter, B.S., Brigham Young University, 1967.
 John Waclaw Cebrowski, B.F.A., Rhode Island School of Design, 1962.
 John Edward Christoffersen, B.S., University of Illinois, 1965.
 Frank Leonard Christy, B.S.B.A., Northwestern University, 1969.
 Nicholas Anthony Ciotola, B.S., Lafayette College, 1968.
 Charles Paul Connors, B.S.B.A., Villanova University, 1969.
 Thomas Edwin Creevy, B.B.A., University of Notre Dame, 1969.
 Charles Henry Curry, B.S.B.A., Roosevelt University, 1968.
 Pamela Deckert, B.S., Miami University, 1969.
 Robert Joseph Dillon, A.B. (L.A.S.), University of Illinois, 1968.
 Steven Marc Director, B.B.A., Emory University, 1969.
 Robert Edward Donath, B.S., Northwestern University, 1967.
 Brian Clare Draper, B.A., Michigan State University, 1969.
 James Edward Dudycha, B.M.E., University of Minnesota, 1964.
 Dennis G. Duitch, B.B.A., University of Iowa, 1966.
 Robert Charles Eaman, B.S. (Communications), University of Illinois, 1965.
 Archibald Lingow Elam, B.Ch.E., University of Louisville, 1962.
 Ali El Mir, B.A., University of New York, 1967.
 Lawrence Arthur Engels, B.B.A., University of Wisconsin, 1959.
 William Edward Everson, B.S.E.E., Rose Polytechnic Institute, 1965.
 Wayne Kent Fairchild, B.S., Brigham Young University, 1966.
 Frederick Arthur Feibel, B.S.E.E., Purdue University, 1964.
 Ross Lewis Fenster, B.S., Syracuse University, 1969.
 Carl Matthew Fink, B.S. (Accounting), University of Illinois, 1968.
 Richard Joseph Fitzgerald, B.S., Southern Illinois University, 1969.
 Thomas Patrick Flanagan, Jr., B.B.A., University of Notre Dame, 1969.
 John Edward Flatley, Jr., B.B.A., University of Notre Dame, 1966.
 Joseph Fredrick Foutch, B.S. (Finance), University of Illinois, 1964.
 John Alan Franklin, B.S., University of Pennsylvania, 1969.
 William E. Franks, B.S., Iowa State University, 1965.
 Thomas Joseph Frey, B.S.F.S., Georgetown University, 1957.
 Thomas Paul Furino, B.B.A., University of Notre Dame, 1969.
 Yoichiro Furuse, LL.B., Osaka University, 1964.
 Steven Ernest Gage, B.A., Lawrence University, 1964.
 Earl Gerald Gale, B.S.B.A., University of Nebraska, 1962.
 Joseph Francis Galluzzo, B.S., Carnegie-Mellon University, 1953; M.S., 1955.
 Thomas Carleton Garrison, B.S.B.A., Northwestern University, 1964.
 Albin Leonard Gielicz, B.S. (Mathematics), University of Illinois, 1966.
 James Fountain Gilley, B.S., University of Colorado, 1969.
 Kenneth Joseph Gimbel, B.S., University of Colorado, 1968.
 Anson Glikman, B.S., University of Illinois, 1957.
 Richard Joseph Goettle IV, B.A., Miami University, 1967.
 Sardarsinh Devisinh Gohel, B.E.M.E., Sardar Vallabh Vidyapeeth, 1963; M.S., University of Wisconsin, 1965.
 Michael Arthur Goldberg, A.B., University of Michigan, 1968.

NORTHWESTERN UNIVERSITY

William Thomas Gost, B.A., DePauw University, 1968.
 Theodore Lyman Graham, B.S.B.A., Wichita State University, 1967.
 James Edwin Grunst, B.S., Northwestern University 1966; M.S., Stanford University, 1967.
 Garry Herbert Haas, B.I.E., General Motors Institute, 1967.
 Linda Marlene Hagen, B.S., San Diego State College, 1969.
 John Gronbeck Harlow, B.A., Brigham Young University, 1968.
 David Karl Haufe, B.F.A., University of Illinois, 1966.
 Robert Sturges Hawkins II, B.S., University of Missouri, 1968.
 Jerry Lee Hayden, B.S.M.E., Bradley University, 1959.
 Thomas Miller Heath, B.S. (Economics), University of Illinois, 1965.
 Dale Arthur Heidt, B.S.M.E., Michigan College of Mining and Technology, 1959.
 George Robert Hermach, B.S.M.E., University of Denver, 1965.
 Maurice Joseph Hickey, Jr., B.S., University of Delaware, 1966.
 Yale Himelbloom, B.S., University of Illinois, 1952.
 William Ralph Hollenbeck, B.B.A., University of Cincinnati, 1965.
 Michael Warren Holmes, B.B.A., University of Michigan, 1962.
 Edward Stephen Holstein, B.A., Denison University, 1965.
 Nosh Hormuzdiar, B.E., Baroda University, 1961; M.S., University of Wisconsin 1963.
 Harlan Richard Hornbruch, B.S.B.A., Northwestern University, 1969.
 Allen George Houbé, B.S.M.E., Purdue University, 1960.
 William Joseph Howard, B.S., University of Pennsylvania, 1969.
 Roger Alan Hudson, A.B., Brown University, 1961.
 James Vincent Huson, B.S.M.E., University of Notre Dame, 1968.
 Howard Hoadley Hutchinson, B.A., Lawrence University, 1961.
 David James Ingram, B.A., Tulane University, 1968.
 Richard Lee Inskeep, B.S., Elmhurst College, 1968.
 Dale Frederick Jacobs, B.A., Claremont Men's College, 1966.
 Jonathan Lee Jacobs, B.S., University of Pennsylvania, 1969.
 Thomas Eugene Janowski, B.S., Loyola University, 1965.
 Irwin Marshall Javinsky, B.S., University of Illinois, 1963.
 Virginia Anderson Jenkins, A.B., Knox College, 1963.
 Brindsley Macaulay John, B.A., Howard University, 1968.
 Donald Clayton Johnson, B.S., Carroll College, 1956.
 Kenneth Robert Johnson, B.A., Principia College, 1968.
 Michael Paul Kalasunas, B.B.A., University of Notre Dame, 1969.
 Jerald Ray Kammeyer, B.S.B.A., University of South Dakota, 1969.
 Ned M. Karren, B.S., Brigham Young University, 1969.
 Timon Vladimir Kay, B.S., Illinois Institute of Technology, 1969.
 Gerald Allan Kayser, B.S.B.A., Northwestern University, 1969.
 James Joseph Kearney, B.S.C.E., Purdue University, 1962.
 James Michael Kennedy, B.B.A., University of Michigan, 1963.
 Oscar George Kennedy, B.S.E., University of Michigan, 1966; M.S.E., Northwestern University, 1968.
 John Theodore Kiggins, Jr., B.A., Lawrence University, 1965.
 Dae Won Kim, Bachelor of Commerce, Korea University, 1967.
 Michael Ross King, B.S., Pennsylvania State University, 1968.
 Stephen Charles King, B.B.A., Southern Methodist University, 1969.
 LeRoy Evert Knohl, B.S.M.E., Purdue University, 1965.
 William Kotowski, B.S. (Economics) University of Illinois, 1965.
 Richard William Krause, B.A., Valparaiso University, 1958.
 Stuart Jay Krawll, B.S.B.A., University of Missouri, 1969.
 Wendell Craig Kuhl, B.S.B.A., Washington University, 1969.
 Robert Bruce Laughlin, B.S., Yale University, 1966.
 Lynn Lawrence Lawless, B.S.B.A., University of Arizona, 1968.
 Albert Edward Ledding, B.Ch.E., University of Minnesota, 1952.
 Edwin Cornell Lennox, Jr., B.A., Northwestern University, 1961; J.D., 1964.
 James Bradley Leshin, B.S.B.A., Drake University, 1968.
 Louis Michael Levitas, B.A., University of Arizona, 1964.
 Michael Paul Lewis, B.B.A., University of Notre Dame, 1969.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Maureen Kay Long, B.S., University of Colorado, 1969.
 Patrick Brien Long, B.A., Georgetown University, 1965; J.D., Loyola University, 1968.
 Robert Frederick Ludwig, B.A., University of Notre Dame, 1966.
 David Jerry MacFadyen, B.S.C.E., Massachusetts Institute of Technology, 1967; M.S.C.E., 1968.
 Stephen Charles Mack, B.S.B.A., Northwestern University, 1969.
 Arthur John Majcina, B.B.A., University of Notre Dame, 1969.
 Gerald M. Mandel, B.Com., University of Toronto, 1969.
 Philip A. Marineau, A.B., Georgetown University, 1968.
 Thomas Joseph Marshall, B.S.B.A., Northwestern University, 1969.
 Robert Elmer May III, B.S., Northwestern University, 1967.
 Richard Leroy McCline, B.S., University of Illinois, 1966.
 Thomas William McDowell, B.S., Stanford University, 1966.
 David Arthur McGowan, B.S.B.A., University of Denver, 1969.
 George Grant McGuire, B.S., University of Oklahoma, 1966.
 James Arnott McKee, B.S.M.E., Purdue University, 1952.
 Ross Wilson McPherson III, B.S.B.A., Northwestern University, 1969.
 James L. Means, B.B.A., University of Oklahoma, 1966.
 Samuel Myers Means, III, B.A., College of Wooster, 1963.
 Jon Joseph Medved, B.S.B.A., Georgetown University, 1969.
 Alfred Mendelsohn, B.S.B.A., University of North Carolina, 1966.
 Victoria Margaret Mey, B.E., Chicago Teachers College, 1942; M.S., DePaul University, 1947.
 Kay Frank Mihevc, B.S.C.E., University of Illinois, 1956.
 Robert Dewey Miller, Jr., A.B., Dartmouth College, 1965.
 Dave Mitchell Minor, A.B., Ripon College, 1968.
 Joseph S. Mishkin, B.S., University of Pennsylvania, 1969.
 Michael Norman Mooney, B.B.A., University of Notre Dame, 1969.
 Glenn Roger Morgan, B.S.B.A., Northwestern University, 1968.
 David Marston Morse, B.S., University of Virginia, 1969.
 William James Mosley, B.S.B.A., Wilberforce University, 1968.
 Derek Seymour Munger, B.A., Southern Methodist University, 1968.
 Dennis Hess Murphy, B.S.E.E., Purdue University, 1966.
 Richard Charles Murphy, B.S.M.E., University of Illinois, 1966.
 George Robert Myers II, B.B.A., University of Texas, 1969.
 Leslie Judah Nanberg, A.B. (Economics), University of Illinois, 1967; M.A., Northwestern University, 1968.
 Rasma Narins, B.S.B.A., Drake University, 1965.
 Sherman Richard Neff, B.S. (Management), University of Utah, 1969.
 William Warren Nesson, B.S.B.A., Northwestern University, 1969.
 Eric Charles Neuman, B.A., University of South Florida, 1967.
 Lawrence William Newman, B.S. (Accountancy and Management), University of Illinois, 1965.
 Edward Cremin Nichols, B.A., Williams College, 1968.
 Richard Fredrik Nielsen, B.S., Northwestern University, 1964; M.S., Stanford University, 1965.
 Charles Jack Nochumson, B.S.E.E., University of Illinois, 1965.
 Pierre Étienne Nouaille, Diplome E.S.C.L., Ecole Supérieure de Commerce de Lyon, 1968.
 James Brian Nuttall, B.E.E., Georgia Institute of Technology, 1968.
 David Emmett O'Connell, B.S., Loyola University, 1955.
 Frances Elizabeth O'Connell, B.A., Northwestern University, 1968.
 Christopher Robin Ohlinger, B.S., United States Military Academy, 1968.
 Richard William O'Keefe, B.S. *Cum laude*, Boston College, 1969.
 Peter Grant Olson, B.A., College of William and Mary, 1965.
 John Ray Oltman, B.S., University of Illinois, 1967.
 James Steele Orr, B.S.M.E., Northwestern University, 1968.
 Robert Patton Osborne, A.B., Washburn University, 1960.
 Clarence Henry Ott, B.A., Valparaiso University, 1940.
 Bruce David Ovitz, B.S.B.A., Northwestern University, 1968.
 John William Ozag, B.S. (Accountancy), University of Illinois, 1968.

NORTHWESTERN UNIVERSITY

- Robert Hugo Paapanen, B.S.M.E., University of Oklahoma, 1955.
 David Paul Parks, B.S., University of Maryland, 1956.
 Robert Frank Pasteris, B.S. (Electrical Engineering), University of Illinois, 1960.
 Thomas Stewart Pearson, B.S.I.E., Purdue University, 1959.
 William Jeffrey Pearson, B.S.C.E., Northwestern University, 1967.
 Alfred Roger Pease, Jr., A.B. (L.A.S.), University of Illinois, 1968.
 Charles William Pepper, B.S.B.A., University of Kansas, 1969.
 John Truman Perry, B.S.E.E., Northwestern University, 1958.
 Donald Robert Peterson, B.A., DePauw University, 1953.
 Thomas Kevin Plunkett, B.A., University of Notre Dame, 1966.
 George Joseph Podrasky, B.S., University of Illinois, 1969.
 Kenneth Michael Powaga, B.S.E.S., University of Notre Dame, 1968.
 Terry Alan Pruden, B.B.A., Texas Christian University, 1967.
 Teddy Bill Raburn, B.A., Willamette University, 1968.
 John Charles Rahiya, B.B.A., University of Notre Dame, 1966.
 Douglas Allen Ransdell, B.B.A., University of Iowa, 1968.
 William Andrew Reego, B.S. (Accountancy) *with Honors*, University of Illinois, 1955.
 Antone Ford Remich, B.S.I.M., Purdue University, 1961.
 Robert Allen Rist, B.B.A., Loyola University, 1969.
 Richard Alan Rivkin, B.S. in Economics, University of Pennsylvania, 1969.
 Bernard Leon Robinson, B.S.B.A., University of Washington, 1968.
 James Albert Rohleder, B.S.C.E., Purdue University, 1967.
 T. Edmond Rolls, B.S.M.E., Bradley University, 1960.
 Richard Edward Rowder, B.S. (Marketing), University of Illinois, 1967.
 Donald Leif Rowe, B.B.A., Northwestern University, 1964.
 Lee Rueckert, B.B.A., Northwestern University, 1966.
 Robert Andrew Rusnak, B.S.E.E., Illinois Institute of Technology, 1965.
 William Tracy Russell, B.A. (Economics), College of William and Mary, 1960.
 Charles Louis Sarris, B.S., University of Wisconsin, 1963.
 Joram Sassower, B.S.E., (Mathematics), University of Michigan, 1965.
 George Joseph Schauner, B.S. (Metallurgical Engineering), University of Illinois, 1960.
 Stephen Louis Schlecht, B.S.B.A., Northwestern University, 1969.
 James Wayne Schroeder, B.A. (Economics), DePauw University, 1964.
 Richard Schulz, B.A., Michigan State University, 1963.
 James Edward Schwartz, B.S.A., Purdue University, 1968.
 Robert Charles Schwartz, B.B.A., University of Michigan, 1968.
 John M. Scott, B.S. in Economics, John Carroll University, 1962.
 John Charles Sebastian, A.B., Brown University, 1968.
 Gary Lynn Seiner, B.S.B.A., University of Missouri, 1968.
 Muhammad Ahhraf Shaikh, B.Sc., University of Punjab, 1959; LL.B., University of Karachi, 1965.
 Robert Urson Shallenberger II, B.A., The Johns Hopkins University, 1967.
 Michael Jeffrey Share, B.S.B.A., Roosevelt University, 1969.
 Elliot Charles Shear, B.S. (Marketing), University of Illinois, 1967.
 Thomas Michael Sheridan, B.S. (Chemical Engineering), University of Illinois, 1969.
 Howard Burton Silverman, B.S.B.A., Northwestern University, 1959.
 James Harlen Skaggs, B.S.Ch.E., Purdue University, 1964.
 Richard Allen Smith, B.S. (Finance), University of Illinois, 1969.
 William Bartel Smith, B.A., Miami University, 1959.
 Sylvester John Sosnowski, B.S. in Commerce, DePaul University, 1963.
 Christopher Stack, B.A., Stanford University, 1963.
 Jerry Lowell Stander, B.S. in Economics, University of Pennsylvania, 1969.
 John Clayton Steele, B.S., Oregon State University, 1969.
 Dorothy F. Stegmaier, B.S. in Commerce, DePaul University, 1964.
 William Charles Stein, B.S.B.A., Loyola University, 1963; C.P.A., University of Illinois, 1963.
 John Thomas Stenback, B.A., Denison University, 1968.
 Robert Ellwood Stephens, B.S., Brigham Young University, 1968.
 Joseph F. Sterba, B.S.E.E., Marquette University, 1967.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Robert Beckwith Stiven, B.S. (L.A.S.), University of Illinois, 1958.
 Lynn Ralph Stratford, B.S., Brigham Young University, 1968.
 Marvin Bynem Strauch, B.A., Waterloo Lutheran University, 1969.
 Richard Joseph Strotman, B.B.A., University of Notre Dame, 1969.
 Mary Stuart, B.S., University of Cincinnati, 1968.
 Frank Leslie Swain, Jr., B.A. (Economics), Howard University, 1967.
 David Brooks Sweeney, B.A., Northwestern University, 1968.
 Charles Scott Thiss, B.S.B.A., Northwestern University, 1969.
 Rowley Montague Thomas III, A.B. (History), Stanford University, 1965.
 James Lawrence Thompson, B.E.E., University of Detroit, 1966.
 Donald Elving Thorpe, B.S.E. (C.E.), University of Michigan, 1960.
 Ronald Lee Trach, B.S.B.A., Northwestern University, 1969.
 David Scott Utterberg, B.A., DePauw University, 1968.
 Henry Gerard Van der Eb, Jr., B.A., Vanderbilt University, 1967.
 Michel Jean Vialle, E.S.C.P., Ecole Supérieure de Commerce de Paris, 1968;
 D.E.G.E., University of Paris, 1968.
 Robert Emmet Wade, Jr., B.M.E., Marquette University, 1964.
 John Edgar Wahl, B.B.A., Northwestern University, 1966.
 Donald James Walker, B.B.A., Northwestern University, 1965.
 Eugene Joseph Walker, Jr., B.B.A., St. Mary's University of San Antonio, 1969.
 William Charles Warfield, B. of Ch.E., Georgia Institute of Technology, 1958.
 George Edward Wehrle, B.B.A., Loyola University, 1962.
 Thomas Edward Weinthal, B.S. in Management Science *Magna cum laude*, University of Detroit, 1969.
 Thomas Harold Werner, B.A., Wabash College, 1967.
 Terry Glen Westbrook, A.B., University of Michigan, 1968.
 Richard Arthur Whitaker, A.B., Princeton University, 1961.
 John Joseph Williams, B.S. (Electrical Engineering), University of Illinois, 1957.
 Kenneth W. Williams, B.S. (Industrial Administration), Iowa State University, 1967.
 Robert Hugh Winkels, B.B.A., Northwestern University, 1966.
 Bruce G. Wolfe, B.A., Denison University, 1965.
 Beat Heinrich Wolfer, M.S. (Mechanical Engineering), Swiss Federal Institute of Technology, 1965.
 Thomas Jerry Womack II, B.A., University of Virginia, 1968.
 Mary Jane Wood, B.S.J., Northwestern University, 1968.
 Jack Hawley Woods, B.A., Grinnell College, 1961.
 William Andrew Wright III, B.S.B.A., Drake University, 1969.
 Mitchell A. Yelen, B.S.B.A., Northwestern University, 1969.
 Basil Thomas Zotos, B.S. (Electrical Engineering), University of Illinois, 1959.
 Sherwin Alvin Zuckerman, B.S. (Accountancy), University of Illinois, 1968.
 Kenneth Stanley Zwierz, B.S. (Aeronautical Engineering), University of Illinois, 1961.

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Stephen Clare Adams	Richard Francis Kenny
Larry Arthur Akman	Jeffrey William Kolb
Patricia Elizabeth Allison	Linda Jane Leonard
Scott Westland Anderson	Alice Stoffel Linnabary
Edgar Henry Bachrach	Harry Major
Daniel French Baker	R. Scott Malmgren
James Christopher Ball	Robert William Matoushek
Steven Damon Bassill	Richard Howard Mays
Larry Alan Baumgardt	Linda Carol Meents
William Raymond Bednar	Allan Stanley Miller
Terry Ross Birkenheier	Larry Kenneth Mills
Eric Kenneth Blau	Suzanne Harriet Mitton
Robert Glenn Browne	Francis Patrick Murphy
Michael Paul Bryk	Philip Myers
Michael Stanley Bryniarski	Keith Isamu Nakamoto
Robert Kyle Burgess	Donald Frank Newlin
Larry Richard Carlson	Kenneth Cleveland Overbeck
Roger Alan Corbman	Arnold Joseph Palder
Russell Owen Crawford	Joel Gabriel Pascal
Jerome Edward Damascus	George Allen Philbrick, Jr.
William Allen Dieber	Christine Elaine Price
Fred Lyman Dorr	Barry Berman Rutenberg
Robert Emil Dorting, Jr.	William Robert Sandberg
Richard Allen Drexler	Steven Elliot Scott
David Charles Forell	Ruston Clare Simon
Albert Martin Friedman	Ronald Spielman
Dennis Robert Frisch	Mark Robert Staehnke
Marc David Gitlitz	Daniel Thomas Stone
Miriam Beck Goldberg	James Lawrence Tick
Richard George Halperin	Harold Howe Tyler, Jr.
William Edward Heitz	Arthur Dee Warady
Richard Gustine Hides	David Edward Ware
James Lee Johnson	Timothy Alan Wille
Gary Russell Johnson	Michael Binney Williamson
Paul Wayne Karr	Glenn Edward Zumbuhl

BACHELOR OF BUSINESS ADMINISTRATION

Albert James Abbatiello	John Raymond Brouch
Michael Ray Aikins	Vandal D. Bunch
Rudolph Almeida	Herbert Brevik Carlsen
Donald Lawrence Anderson	Jeanne Hill Chambliss
Edward Joseph Andrews	James Chen
August Joseph Antunes	Robert Ernest Clarkson
Joseph Christopher Anzelmo	Cecil Ray Coleman
Walter Anthony Babicz	Richard William Dandurand
Michael Deane Balster	William John Davie
Lourie Thomas Batt	Robert Emanuel DeBarger, Jr.
Edward Joseph Benkowski	Daniel Martin Delehanty
Kenneth Arnold Berg	Russell Frederick Diethert
Theodore William Berg	Alex Warren Donaldson
Avrum Block	Robert Franklin Duffer
Wilbert Adolph Blum	George Colfax Eierdam
Zita Regina Blum	George Charles Elmerberg
Brian Chester Borucki	Donald Edward Erickson
Robert Wayne Brattleaf	John Ernst
Richard Steven Brenner	Richard Carl Eyrich
Robert Charles Brewer	James Arthur Fagerson
William Anthony Briggs	Keith Erwin Feurer
Roy Hugo Brolin	Edward Michael Filar

ONE HUNDRED AND TWELFTH COMMENCEMENT

Charles James Fischer
 William Robert Fonner
 Richard Chester Friedmann
 Ronald Edwin Froehlich
 Robert Bogan Gaal
 Norman Richard Garneski
 Frank Kenneth Gadziak
 Kenneth Frederick Gitzendanner
 Charles Roger Harris
 Robert Keith Higginson
 Terry Allen Hill
 Richard Allan Hillenbrand
 Richard Dennis Holly
 Robert Marshall Hyde
 Charles Howard Jackson
 David Jacobson
 Kenneth Edward Johnson
 Edward Charles Kandlik
 Robert Nathaniel Kern
 George Stephen Kochis
 Theodore Martini Komp
 Leon Stewart Krangle
 James Allen Kraus
 Dennis Robert Kroner
 Stanley Albert Krupa
 James Edward Kruse
 Theodore Frank Kruse
 Gary Francis Kufner
 Daniel Joseph Kwiat
 Paul Irving Lange
 Ronald Alden Larson
 Robert Charles La Rue
 Ernest Anthony Lasse
 Howard Kenneth Ledbetter
 Joseph Edward Lennon
 John Louis Lenzini
 Roger Neil Lessely
 John Michael Lewis
 Carl Gustaf Johan Lindgren
 Margaret Mary McCarthy
 Paul Brian McFadden
 Jon Andrew McGee
 Andrew George McMullen
 Albert Joseph Manz
 Joseph Thomas Markowicz
 Terrence Chester Matuszak
 James Philip Matykiewicz
 Henry George Mayhew
 Ellsworth Ervin Mullineaux
 Ronald Lee Newburger

Richard Louis Niesyto
 Richard William Norwood
 Gerhard Oechsler
 Neil James Ondracek
 Edward James O'Neil, Jr.
 Gerald Howard Ottesen
 John Palencar
 Frank James Pavlich, Jr.
 Frank Joseph Peplow
 William Jude Perez
 Edwin Mario Petrilli
 Joseph Edward Petrussek, Sr.
 Norman Clarence Pilch
 Chester Steve Piskorski, Jr.
 Marjorie Ann Pitner
 Harald Dieter Pitz
 Kenneth Wade Potts
 William Prekajac
 Charles Oliver Prettyman
 Joseph Prusinski
 James Middleton Pyott
 Audronis Radzwickas
 Tony Rattin
 Joseph Frank Ratuszny
 Muriel Frances Reder
 Marlene Joan Reimer
 George Arthur Rohde
 John William Rood
 Patrick Donald Ross, Jr.
 June Gertrude Ruth
 Raymond Francis Schaefer
 James Joseph Schlacks
 Ronald John Shroba
 Joseph William Slater
 Jaycee Sonne
 George Emil Spaeth
 Alfred August Swanberg
 Robert John Thomas
 William Jerome Trapp
 Thomas Edward Vetter
 Kenneth Michael Vrshek
 Ronald Guy Ware
 Jonathan Clay Webber
 Marvin Weinstein
 Leonard Michael Weiss
 James Joseph Wigginton
 Kenneth Leon Williams
 Jane Louise Brown Winkless
 Frank Louis Zatorski
 David Clifford Zimmerman

THE MEDILL SCHOOL OF JOURNALISM

Candidates presented by DEAN I. W. COLE

MASTER OF SCIENCE IN JOURNALISM

Frances Jane Anderson, A.B., Millikin University, 1953.
 Larry Don Armstrong, B.A., Northwestern University, 1969.
 Walter Lynn Atkinson, B.S., University of Utah, 1969.
 Mark Edward Bean, B.S.J., Northwestern University, 1969.
 Edward Alan Bennett, B.A., DePauw University, 1968.
 George Everett Berry, B.S.J., Northwestern University, 1969.
 Howard S. Bimson, B.S.J., Northwestern University, 1969.
 Daniel George McBirney Brennan, Diploma in Journalism, Ryerson Poly Technical Institute, 1967.
 Tom Christian Brown, B.A., Oregon State University, 1969.
 Robert Lebaron Buchanan, B.S., Spring Hill College, 1957.
 Robert Randolph Butts, B.S.J., Northwestern University, 1967.
 John Elwin Carman, B.A., Kenyon College, 1968.
 Rebecca Sue Castaldi, B.S.J., Northwestern University, 1969.
 Mini L. Chernof, B.A., University of Wisconsin, 1969.
 James Robert Coari, B.B.A., Loyola University, 1968.
 Steven Richard Cony, B.A., University of Wisconsin, 1969.
 John Francis Coppola, B.A., Thiel College, 1968.
 John David Cranshaw, A.B.-J., University of Georgia, 1968.
 James Thomas Davies, B.S.J., Northwestern University, 1969.
 Mary Lee Dedinsky, B.S.J., Northwestern University, 1969.
 Louise Degn, B.A., Utah State University, 1968.
 Ann Evans Dilworth, B.S.J., Northwestern University, 1969.
 Carol Myrna Dimond, B.A., Northwestern University, 1969.
 Frank Murphy Dineen, A.B., St. Joseph's College, 1969.
 James Joseph Disch, B.S.J., Northwestern University, 1968.
 Tom J. Dunn, A.B. in Journalism, Creighton University, 1969.
 Sandra Lea Earley, B.A., Agnes Scott College, 1969.
 Al Frederick Ehrbar, B.S.J., Northwestern University, 1969.
 Bruce Edmund Endzel, B.S.J., Northwestern University, 1969.
 Robert Kilbourn Fickes, B.S., Georgetown University, 1966.
 Robert Roy Frump, B.S., University of Illinois, 1969.
 Beth Leah Galbreath, B.S., Illinois Wesleyan, 1969.
 Susan Lorraine Garvey, B.A., Carroll College, 1969.
 John Edward Gehrke, Ph.B., Northwestern University, 1966.
 Sheila Elizabeth George, B.A., Sophia College, 1967.
 Pam Diane Ginsbach, B.A., University of Arizona, 1969.
 Mark David Goldstein, B.S.J., Northwestern University, 1969.
 Paula Ann Goodgal, B.A., Goucher College, 1969.
 Neil Albert Grauer, B.A., Johns Hopkins University, 1969.
 Elizabeth Ellen Grillo, B.S.J., Northwestern University, 1969.
 Richard Charles Haas, B.A., Fordham University, 1969.
 James Stanley Hansen, B.S., Indiana University, 1968.
 William Conley Harsh, Jr., B.S.J., Northwestern University, 1969.
 Eric John Hatch, B.A., Northwestern University, 1969.
 Richard Harrington Haws, B.A., Nebraska Wesleyan University, 1966.
 Caroline Diane Hay, B.A., College of Wooster, 1966.
 William Carlisle Herbert, A.B., Princeton University, 1969.
 Terry Malloy Hershey, B.A., Miami University, 1969.
 Roger Ellsworth Hilkert, B.S., Northwestern University, 1969.
 Margaret Christine Hlinka, B.A., Denison University, 1969.
 Timothy James Innes, B.A., University of Washington, 1967.
 Diana Joanna Janas, B.A., University of California, 1969.

ONE HUNDRED AND TWELFTH COMMENCEMENT

Helen Marie Johnson, B.A., University of Michigan, 1968.
 Sharon Maria Johnson, B.A., Pennsylvania State University, 1966.
 Wallace Charles Judd, Jr., B.S.J., Northwestern University, 1969.
 Donald Frank Kazak, B.S.J., Northwestern University, 1969.
 Margaret Claire Kehoe, B.S., Georgetown University, 1969.
 Jeffrey Scott Kelley, B.A., Dartmouth College, 1969.
 Edward Franklin Kittrell, Jr., B.A., Loras College, 1969.
 David Leon Klehr, B.S., University of Illinois, 1969.
 Leah Carol Koester, B.A., Northwestern University, 1969.
 Stephen Dennis Kolker, B.A., Northwestern University, 1969.
 Mary Katherine Konopnick, B.A., Western Michigan University, 1969.
 Chester Tevis Lanc, Jr., B.A., Harvard College, 1969.
 William Anthony Ledger, B.A., University of Illinois, 1969.
 Michael Lewis Lifton, A.B., University of California, 1969.
 Donald Earl Lively, A.B., University of California, 1969.
 John Thomas Lucadamo, B.A., Alfred University, 1968.
 Mary Lynn MacDonald, B.A., Wheaton College, 1969.
 Ronald Lester Marose, B.S.J., Northwestern University, 1968.
 Alton Kent Marsh, A.B., Indiana State University, 1966.
 Heather Harden Mason, B.A., Creighton University, 1969.
 David Ramsey McCallam III, B.F.A., Texas Christian University, 1969.
 Josephine Mary McCarty, B.A., St. Mary of the Woods College, 1968.
 Jeanne McKowan, A.B., Georgia State College, 1969.
 Dennis Howard McMurray, B.A., Luther College, 1969.
 Joseph Michael Meyer, B.S., University of Illinois, 1969.
 Nancy Kaye Moeller, B.A., St. Olaf College, 1969.
 Philip T. Moeller, A.B., Princeton University, 1968.
 Samuel Alfred Moore, B.S., Georgetown University, 1969.
 Marguerite Joan Moritz, B.S.J., Northwestern University, 1968.
 David William Muffelman, B.A., Northwestern University, 1969.
 Mary Catherine O'Gara, B.A., Clarke College, 1969.
 Douglas Groman O'Kieffe, B.A., Princeton University, 1963.
 William John O'Shea, B.A., St. Mary of the Lake Seminary, 1963.
 Allen Ray Overmyer, M.A., University of Maryland, 1969.
 Marianne Francois Pagnol, Degree, Faculté des Lettres de Nanterre, 1968.
 Ann Elizabeth Pierce, B.S.J., Northwestern University, 1969.
 Andrea Ellen Port, B.A., Cornell University, 1969.
 Karl Jeffrey Reynolds, B.S.J., Northwestern University, 1969.
 John Shannon Rigney, B.S., Spring Hill College, 1966.
 Jerome Henry Rudes, B.J., University of Texas, 1969.
 Nancy Elizabeth Rudy, A.B., Whitman College, 1960.
 Thomas Arden Rudy, B.A., University of Minnesota, 1966.
 Valerie Gail Russell, B.A., University of Pennsylvania, 1969.
 Corrinne Martha Schmid, B.S.J., Northwestern University, 1969.
 Margaret Anne Schmidt, B.A., Indiana University, 1967.
 Martin Gerald Sender, B.A., University of Pennsylvania, 1969.
 Leon Robert Shure, B.S.J., Northwestern University, 1969.
 Judith Merle Silverman, B.A., University of Wisconsin, 1968.
 Marion Dubose Sims III, A.B., University of North Carolina, 1966.
 Stephen K. Sink, B.S.J., Northwestern University, 1969.
 Marlene Beth Siskin, B.A., Vassar College, 1969.
 Lynn Sherwin Slovonsky, B.S.J., Northwestern University, 1958.
 Philip Edward Smith, B.A., Kenyon College, 1969.
 Fredric Soll, B.A., Colgate University, 1968.
 Donald Elias Spilker, Jr., B.J., University of Missouri, 1968.
 Hal Sheffield Ray Stewart, B.S., Northwestern University, 1968.
 Lawrence Bayrd Sussman, M.A., University of Wisconsin, 1969.
 Jacqueline Paige Sweeney, B.S.J., Northwestern University, 1969.
 David Wesley Thompson, B.A., Shippensburg State College, 1969.
 Judith M. Tieman, B.A., Capital University, 1969.
 Cheryl Ann Tritt, B.S., University of Nebraska, 1969.
 Cheryl Lee Turk, B.A., University of Iowa, 1969.

NORTHWESTERN UNIVERSITY

Howard Bryan Ullman, B.A., Brooklyn College, 1969.
 Kenneth Charles Umansky, B.S.J., University of Missouri, 1969.
 Lynn Benjamin Upshaw, B.S.J., Northwestern University, 1969.
 Alan Van Wambeek, B.S.J., Northwestern University, 1969.
 Gail Frear Waddill, B.A., Northwestern University, 1969.
 Carl Frederic Wiegold, B.S.J., Northwestern University, 1969.
 Marsha Mark Wiegold, B.S.J., Northwestern University, 1969.
 Robert Joseph Wilkus, B.S., University of Illinois, 1967.
 Barbara Sue Winer, B.A., Bradley University, 1969.
 Russell Thomas Winter, B.A., St. Lawrence University, 1969.
 Blaine Jackson Wixom, Jr., B.A., University of Utah, 1969.
 Stanley Adam Wojteczko, B.A., College of St. Thomas, 1969.
 Arnold S. Wolfe, A.B., University of Rochester, 1969.
 Barbara Suzanne Yagerman, B.A., Northwestern University, 1969.
 Kenneth Elmer Yednock, B.S., University of Illinois, 1969.
 Nick Edward Yengich, B.S., University of Utah, 1969.
 Gene Yovetich, B.S.J., University of Kansas, 1969.

BACHELOR OF SCIENCE IN JOURNALISM

Jefferson John Aikin	Mary Kathleen Karch
Pamela Bassett	Joan Keller
Paul Charles Becka	Marilyn Anne King
Douglas Bryan Bellaire	Cynthia Grace Kirk
Ermetra Adair Black	Kathleen Ann Kull
Sally Elaine Black	Judy Alberta Kulstad
Elizabeth Wegner Boeder	Christopher John Kuppig
Richard Lee Boudreaux	Elaine Barbara Lecin
Stephen Michael Howell	Sandra Lee
Patricia Anne Brandin	Marda Fern Levin
Bonnie Lynn Brisky	Susan Harriet Levine
Stephen Joseph Broussard	Hal Frederick Lewis
Millicent Renée Brown	Jack Allen Linn
William David Cohen	Andrew Lippman
Jean Elizabeth Collins	Joann Sandra Lublin
Susan Kay Condon	Catherine Mary Lynch
Jay Francis Cook	George Raymond Richard Martin
Carolyn Anne Cronin	Donna Rosene Marx
Tula Alexandra Demetrakakes	John Francis McCarron
Kathryn Louise Dollahan	Virginia Marie Michet
Elizabeth Margaret Dunlop	Joseph Gordon Miller
Susan Frances Edelstein	Robert Gregory Miller
Alison Ann Eil	Jeffrey Collins Millman
John Langley Eliot	Tobi Nyberg
Karen Jane Engquist	Winston James O'Neal, Jr.
William Ross Epstein	Kathleen Emery Patterson
Milton Gardner	Joan Marie Paylo
Douglas Ray Gebraad	Janet Natalie Peckler
Myrna Edith Goldstein	Susan L. Pedigo
Frank Armen Haas	Margot Louise Pinkowski
Diana Marie Harper	Kathryn Grace Polhemus
Brian Cameron Hayes	Nancy Gail Pollens
Susan Arlene Haynes	Helene Bette Price
Jean Baker Hielscher	James Edward Procter
Robert Allen Hielscher	George Thomas Recht
John Edward Higginson	Linda Jean Rocawich
Stanley Louis Hill	Elizabeth Ann Sanders
Nancy Froma Horowitz	Darlene Marie Schmalzried
Claudia Susan Horty	Michael Abraham Seiler
Susan Leigh Irwin	Lisa Carol Shapiro
Janet Lorellyn Johnson	Charles Edward Shepherd

Vonda Jean Sines
Paul Donald Smith
William Edward Smith
Carl Lehrer Sommers
Steven Alan Steinberg
Mary Locke Swanton
Frederic Barney Taylor
Todd Brian VanSlyke

Raakel Anneli Vesanen
Thomas Richard VonMalder
Kimber A. Vought
Christine Jo Watkins
Monica Susan Wilch
John Peter Witkauskas
Donald Michael Zminda

THE SCHOOL OF EDUCATION

Candidates presented by DEAN B. J. CHANDLER

BACHELOR OF SCIENCE IN EDUCATION

David Robert Addis
Edith Anne Anderson
Gail Doreen Ayres
Pamela Baltis
Kathryn Jean Barrath
Rita Jean Bauer
Carol Nelson Bench
Karen Robbin Benson
Viveca Lynn Benson
Diane Linda Berrettonni
Merle Beth Blumenthal
John Raymond Bradley
Mary Diane Brown
Joy Ann Buelens
Lynn Ann Carpenter
Diane June Cave
Wendy Jean Chamberlin
Mary Ann Churchill
Diane Lynn Chvat
Jacquelyn Rubicam Cisco
John Michael Clarkson
Mary Frances Comly
Richard Joseph Cunningham, Jr.
Michael Joseph Deines
Arthur John Dion
Barbara Ann Eason
Betty Wogman Edwards
Ronaine Cynthia Erickson
Beth Donna Feinberg
Wendy Fenstermacher
Lynda Helen Fink
Terrance Joseph Flaherty
Candace Fleischmann
Richard Chester Glosniak
Nancy Howard Godfrey
George Kimbro Grimmer
Flora Lee Gryn
Nancy Joanne Hammond
Randall Lee Hawley
Dorothy Carter Higginson
Gary Alan Holland
Lynne Storthz Hoos

Beverly Kapp Huckelbridge
Joseph Michael Hudson
Gail Hush
Hillary Iris Jachet
Janet Susan Jacobson
Judith Stone Johnson
Margaret Ann Jones
Marilyn Novak Joseph
Kathleen Mae Kamp
Stanley Joseph Kmet, Jr.
Mary Green Kress
Janet Ann Kulczycki
Barbara Lee Kuntz
Mary Siler Larson
Susan Lee Larson
William Allen Laursen
Nancy Jo Lestina
Jill Elaine Levine
Holly Louise Lifton
Thomas Allen Lis
Joann Marie Loulan
Sandra Luburich
Kenneth Michael Luxton
Karen Sue MacDonald
Lynne Frances Maywald
Pamela Kay Milam
Carol Wendy Milius
Danny Lee Miller
Suzanne Catherine Moes
Janice Marie Netzel
Sally Beth Oberlin
Virginia Senjen Olson
Dorothy Mae Parson
Bettie Jane Petersen
Christine Louise Politis
Gus Allen Prochazka
Gerald James Prosser
Linda Louise Rauch
John Michael Reeves
Sally Kathleen Robb
Jeffrey Booth Rockenbach
Ronald Carl Rodgers

NORTHWESTERN UNIVERSITY

Fern Deborah Rosen
Joan Phyllis Rosenberg
Lynn Navid Rosenfeld
Donald George Ross
Donna Jane Rychlik
Ann Marie Saindon
James Francis Sarno
Kristin Margaret Sauter
Barbara Jo Schieren
Joyce Tegan Staley
Thayae Michele Stephanidis

Dianne Marie Strickland
Linda Leiko Takai
Deidre Ellen Tannenbaum
Harriet Trop
Richard Daniel Tupta, Jr.
James Melvin Ulman
Joyce Karen Wade
Suzanne Diane Watson
Barbara Sackheim Weiner
Donald Arthur Whamond

THE TECHNOLOGICAL INSTITUTE

Candidates presented by DEAN WALTER S. OWEN

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Layne D. Anderson
William Dodson Buchanan
Gregory Earle Croft
Raymond Andrew Forsthoffer
Bradley James Hoffman
Terry Michael Hurley
Holly Anne Kuruce
Gerald Lee Morrison
Michael John Pollock
Glenn Bruce Rabin

Richard Nicholas Reinhart, Jr.
Ronald Martin Saidikowski
Leonard Theodore Starzec
Timothy J. Stelly
Leland T. Streufert
Larry C. Van Doren
Richard A. Verduin
Morris Wolf
Walter Edmund Zawislak

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Stephen W. Bockemeier
Dennis Lee Christiansen
Edwin Plymale Garst
Allan Bruce Gonyo
Gerald Eugene Hatton
John H. Heckmueller
Arthur Allen Huckelbridge, Jr.

Paul Alan James
Joseph F. Murphy
Luis Fernando Orozco R.
Thomas Hamilton Stedman
John H. Svec
Sidney Peter Wagner, Jr.
John Houghton Woodard

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

James Frei Berrill
David Lawrence Comey
James Warren Congdon
Robert Eugene Cotter
Ronald Craig Fish
J. Christopher Fugitt
John Whitworth Gannon
Craig A. Gaw
Keith Edward Gorlen
James N. Heller
James Man-Chang Ho
Bruce David Jacobsen
Dale Roger Johnson
John Francis Johnson

Bruce D. Johnston
Frank Mark Koenig
William George Lederer
William Todd Palmer
John Edward Priester
Rex Schumacher
John F. Shanahan
Joseph Anthony Sveda
Richard Lowell Thorne
Gary J. Vander Molen
Thomas Keith Wackerfuss
Bruce Gray Wilson
Karla Wynn Yale
Robert Justin Zack

ONE HUNDRED AND TWELFTH COMMENCEMENT

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Michael T. Abbene, Jr.	Robert Milton Nauss
William James Black	Andrew Wayne Neyens
Kenneth William Buzzard	Steven Gerald Parish
Laurence A. Cada	George M. Perry
William Todd Clayton	John Robert Peters
Richard Earl Davidson	Thomas Paul Poberezny
David Stanley Davis	Robert James Polito
Dennis Wolford Draper	John Edgar Rankin
Richard Edwin Fox	David Robert Sawyer
Robert Ray Gasink	Robert Alan Schottland, Jr.
Barry Martin Goldrich	William Stanley Skowronski
Robert W. Hagen	James Warren Tingey
Edgar Boyce Lakey	John G. Vornbrock
Lawrence Meyers, Jr.	Raymond N. Wareham

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

George Ewing Alexander	Richard Erickson Plant
Christy Deming Brown	William Charles Pohl
Robert L. Diebel	Daniel Reid Price
Raymond Gunton Finucane	Gilbert Edward Schumacher
Frank John Gradishar	James Edwin Scott, Jr.
Lawrence Robert Happ	Robert E. Shaw
Laurence Frederic Harding	Philip Ray Taylor
Paul Brigham Morse	Mark Gerald Tuttle
James Rutherford Norton	

BACHELOR OF SCIENCE IN SCIENCE ENGINEERING

Steven M. Adams	Sally Jean Rimkus
Dennis Michael Adkesson	Robert Vance Rouse
Dallas C. Augustine	Martha Hemmeter Sewell
Steven Arthur Bradley	David Carlton Swanson
Stephen Oliver Brennom	Richard Robert Tarr
Stephen J. Burden	Russell L. Titus
Douglas Arthur Chapman	Roger William Vinita
Richard S. Di Pietro	Edward Paul Wagner, Jr.
Suellen Fausel	Paula R. Wiegand
Alan Robert Greene	Albert Russell Wilson
Morton Harry Leonard	James Gordon Zwissler
Donald Albert Rauh	

THE GRADUATE SCHOOL

Candidates presented by DEAN ROBERT H. BAKER

DOCTOR OF PHILOSOPHY

- Dennis McCarty Anderson, B.A., Oberlin College, 1957; M.A., Northwestern University, 1964. Political Science. *Family Structure and Adolescent Political Orientations*.
- Teruaki Aoki, B.S., University of Tokyo, 1964. Materials Science. *Anomalous Transport Properties of B'-Phase 3d-Transitional-Metal Alloys*.
- Charles Baer, B.A., Pennsylvania State University, 1963; M.A., Northwestern University, 1965. Political Science. *The New Black Politics of Mississippi: A Quantitative Analysis*.
- Mahendra Singh Bapna, B.Sc., Banaras University (India), 1961; M.S., Marquette University, 1964. Materials Science. *Plastic Deformation of Quench-Hardened Gold*.
- Charles N. Barthell, B.A., St. Olaf College, 1964. Psychology. *Affiliation, Birth Order, and Extroversion-Introversion*.
- Bruce W. Bashford, B.A., University of Rochester, 1966; M.A., Northwestern University, 1967. English. *The Humanistic Criticism of R. S. Crane*.
- Robert Alan Bauer, B.S., Colorado College, 1965. Chemistry. *The Preparation and Kinetic Study of Some Iridium(III) Complexes and the Synthesis and Characterization of Some Carbonyliron(0) Complexes of Polycyclic Aromatic Ligands*.
- Randall Keith Beedle, B.S., Central Michigan University, 1963; M.S., Oklahoma State University, 1966. Speech. *An Investigation of the Relationship Between the Acoustic Reflex Growth and Loudness Growth in Normal and Pathological Ears*.
- Joel Alan Berlatsky, B.A., Carleton College, 1963; M.A.T., Brown University, 1965. History. *The Social Structure of the Elizabethan Episcopacy, 1558-1603*.
- David Willever Biers, B.A., Lafayette College, 1966; M.S., Northwestern University, 1968. Psychology. *The Effect of Frequency, Affect, and Total Time in Verbal-Discrimination Learning*.
- John Frank Binder, B.A., DePaul University, 1962; M.A., Northwestern University, 1963. History. *The Social Context of Selected English Periodicals, 1760-1815: A Quantitative Profile of their Contributors and Content*.
- Walter Eugene Bjork, B.A., Northwestern University, 1955; M.A., 1956. Education. *A Study of the Influence of the Role of the Curriculum Consultant on Curriculum Implementation*.
- James Anthony Blachowicz, B.S., Loyola University, 1966; M.A., Northwestern University, 1968. Philosophy. *From Ontology to Praxis: A Metaphilosophical Inquiry into Two Philosophical Paradigms*.
- Lawrence J. Bober, B.A.E., University of Detroit, 1965. Mechanical Engineering. *Investigation of Equilibrium for an Argon Plasma Generated in a Free-Burning Arc*.
- Roderic Chellis Botts, B.A., Carleton College, 1957; M.A., Northwestern University, 1964. Education. *Influences in the Teaching of English, 1917-1935: An Illusion of Progress*.
- James Waldemar Boyd, B.A., Lawrence College, 1956; M.A., Northwestern University, 1961. Religion. *Satan and Mara—A Comparative Study of the Symbols of Evil in Early Greek Christian and Early Indian Buddhist Traditions*.
- Stanley Darrell Boyer, B.A., North Central College, 1961; M.S., Northwestern University, 1970. Biological Sciences. *Interactions in Effects of Light and Subtle Geophysical Parameters on the Locomotor Activity Patterns of the White Mouse, Mus musculus*.
- James Martin Boyle, B.S., Northwestern University, 1964; M.S., 1965. Applied Mathematics. *A Transformational Component for Programming Language Grammar*.
- Gerald Paul Bradley, B.A., La Salle College, 1959; M.A., Northwestern University, 1966. Philosophy. *Freudian Theories of Anxiety: A Phenomenological Critique*.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Watson Gailey Branch, A.B., Princeton University, 1957; M.A., Northwestern University, 1967. English. *THE CONFIDENCE-MAN: HIS MASQUERADE* by Herman Melville: *An Edition with an Introduction and Notes.*
- Alfred Peter Brown II, B.M.E., Northwestern University, 1965; M.M., 1966. Music. *The Solo and Ensemble Keyboard Sonatas of Joseph Haydn: A Study of Structure and Style.*
- Harold Irwin Brown, B.C.E., The Cooper Union, 1962; M.A., City College of New York, 1965. Philosophy. *A Casual Theory of Perception.*
- Martha J. Brown, B.A., Parsons College, 1956; M.A., Northwestern University, 1958. History. *The Foreign Policy of Henry VIII, 1536-1547.*
- Melvin Budzol, B.S., University of Detroit, 1962. Chemistry. *The Radiation Chemistry of Polyethylene and Poly(propylene Oxide).*
- Kirk Osmond Bunnell, B.S., Stanford University, 1962; M.S., Northwestern University, 1966. Physics. Λ π^- Production from K^- Absorption in Helium.
- Kenneth Lee Burres, B.A., Baker University, 1956; B.D., Garrett Theological Seminary, 1960; M.A., Northwestern University, 1961. Religion. *Structural Semantics in the Study of Pauline Understanding of Revelation.*
- Sally Hanson Calhoun, A.B., University of Michigan, 1961; A.M., 1963; M.A., Northwestern University, 1967. Psychology. *Power Relations in the Setting of Family Pathology: Alignments and Oppositions.*
- Bliss Cornell Cartwright, A.B., Oberlin College, 1963; M.A., University of Pittsburgh, 1965. Sociology. *The Indian Industrial Tribunals: A Case Study in Normative Rationalization.*
- Charles James Caruso, B.A., Elmhurst College, 1953; M.A., Northwestern University, 1956. Education. *A Study of the Screening Procedure and Candidate Selection Criteria Employed by Elementary School Caucus Committees in Northeastern Illinois.*
- Dipankar Chandra, B.Tech., Indian Institute of Technology, 1965. Materials Science. *Spinodal Decomposition in Fe-Cr Using Mössbauer Spectroscopy.*
- Cheng Fang Chang, B.S., National Taiwan University, 1957; M.S., University of Utah, 1963. Mechanical Engineering. *On Length and Collisional Effects of a Cylindrical Langmuir Probe Aligned with the Plasma Flow.*
- Kuang-Ho Chen, B.S., National Taiwan University, 1965; M.S., Northwestern University, 1967. Mathematics. *Liouville Type Problem and Symmetrization of Distributions.*
- Fang-Hui Chou, B.S., National Taiwan University, 1961; M.S., University of Minnesota, 1964. Theoretical and Applied Mechanics. *Field Equations Governing the Mechanical Behavior of Layered Cylinders.*
- Sheldon Marc Cohen, B.A., Queens College, 1964; M.A., Northwestern University, 1966. Philosophy. *Ethical Naturalism and Real Definitions.*
- Robert Wilcox Cook, B.S., Rensselaer Polytechnic Institute, 1966; M.S., Northwestern University, 1968. Electrical Engineering. *Algorithmic Measures.*
- Warren Lawrence Cooperman, B.A., University of Maryland, 1966; M.A., Northwestern University, 1968. Psychology. *Food as a Reinforcer for Obese Versus Normals.*
- Richard Gerald Couch, B.S., Illinois Institute of Technology, 1965. Physics. *Spectroscopy of f-p Shell Nuclei by (d,n) Reactions.*
- Jane Harris Cramer, B.A., Carleton College, 1964. Microbiology. *Studies of the Replication of the RNA Bacteriophage MS 2.*
- Kenneth Charles Crannell, B.A., Emerson College, 1955; M.A., 1957. Speech. *A Prosodic Analysis of Selected Dramatic Narratives of Robert Frost.*
- Kenneth James Cypra, B.S., Newark College of Engineering, 1965; M.S., Northwestern University, 1967. Civil Engineering. *Technical Services for Urban Floodplain Property Managers: Problem Formulation and Study of Property Manager Receptivity.*
- Barbara Jean Davis, B.S., B.A., University of Arizona, 1960; M.S., 1965; M.A., Northwestern University, 1967. Management. *Five Variables and their Association with Consumer Purchase Behavior.*
- Harry Lendall Davis, A.B., Dartmouth College, 1959; M.B.A., Amos Tuck Graduate School, 1960. Management. *An Exploratory Study of Marital Roles in Consumer Purchase Decisions.*

NORTHWESTERN UNIVERSITY

- Thomas F. Deegan, B.A., University of Illinois, 1961; M.A., University of Chicago, 1962. English. *George Eliot's Historical Thought and her Novels of the Historical Imagination.*
- Parimal Rameshchandra Desai, B.S., University of Bombay (India), 1956; M.S., Drexel Institute of Technology, 1962. Microbiology. *Characteristics of Monosaccharide Precipitable Eel Anti-Human Blood-Group H(O) 7 s Globulin.*
- Clarence J. Dockweiler, B.S., Concordia College, 1957; M.A., Ball State University, 1962. Education. *A Study of the Impact of a CUPM Inspired Mathematics Course on the Level of Mathematical Understanding of Lutheran Elementary School Teachers.*
- Sue Warrick Doederlein, B.A., DePauw University, 1964; M.A., Northwestern University, 1966. English. *A Compendium of Wit: The Psychological Vocabulary of John Dryden's Criticism.*
- George John Dohrmann III, B.A., Northwestern University, 1965. Pathology. *Fine Structural Studies of Mammalian Choroid Plexus Under Normal and Pathologic Conditions.*
- Robert E. Drass, Jr., B.A., University of Delaware, 1959. Sociology. *Industrialization and Stratification Change in Puerto Rico.*
- Donald Fred Dreisbach, B.S., Massachusetts Institute of Technology, 1963; M.A., Northwestern University, 1968. Philosophy. *An Account of Religious Revelation.*
- John Lee Dubois, B.S., Northwestern University, 1962; M.S., 1963. Electrical Engineering. *Low and Circadian Frequency Modulation of the EEG Power Spectrum in Dolichoniz Oryzivorus.*
- Ronald Gordon Ehrenberg, B.A., Harpur College, 1966; M.A., Northwestern University, 1970. Economics. *The Short-Run Employment Decision and Overtime Behavior in U.S. Industry, 1966.*
- Myron Gail Eisenberg, A.B., Marquette University, 1966; M.A., Northwestern University, 1968. Education. *An Examination of a Procedure for Determining Personality Correlates to Independence of Judgment in Male University Students.*
- Charles D. Elder, B.A., University of Missouri, 1964; Political Science. *An Empirical Study of Some Background Conditions of International Collaboration.*
- Abdelhameed Ahmed Elnaggar, B.Sc., University of Cairo (UAR), 1960; M.S., University of Southern California, 1965. Civil Engineering. *Effect of Non-Darcian Flow on the Time Rate of Consolidation.*
- Judith C. Espinola, B.A., Emerson College, 1961; M.A., University of Oklahoma, 1963. Speech. *Point of View in Selected Novels by Virginia Woolf.*
- Joseph Kewi-Son Fang, B.A., University of Oregon, 1965. Chemistry. *Mechanism of Proton Transfer in Water.*
- Joel Stuart Freund, B.A., Northwestern University, 1966; M.S., 1968. Psychology. *Variability of Subject's Judgments of Frequency and their Effect on Verbal-Discrimination Learning.*
- David Hendrick Fritts III, B.S., Valparaiso University, 1961; M.S., The Ohio State University, 1965. Mechanical Engineering. *Forced and Free Axially Symmetric Longitudinal Vibrations of Finite Circular Cylinders.*
- Edward P. Gamson, B.S., Trinity College, 1965. Chemistry. *Substituent Effects in the Photoinduced Nucleophilic Aromatic Substitution Reactions of 2-Substituted-4-nitroanisoles with Pyridine.*
- Orin Glenn Gelderloos, A.B., Calvin College, 1961; M.A., Western Michigan University, 1964. Biological Sciences. *Comparative Study of Circadian Activity Patterns of the Desert Iguana (Dipsosaurus Dorsalis) Under Self-Selected and Imposed Illuminations.*
- Joel Clarke Gibbons, B.S., Georgetown University, 1964; M.S., Northwestern University, 1967. Mathematics. *One-Dimensional Attracting Sets in the Three-Sphere.*
- J. Fred Giertz, B.A., University of Wichita, 1964; M.A., Northwestern University, 1966. Economics. *An Economic Approach to the Allocation of Police Resources.*
- Rita M. Goldman, B.Ed., National College of Education, 1958; M.A., Northwestern University, 1967. Education. *An Experimental Evaluation of Fifth Grade Materials on Law and American History.*
- Mary Albertson Golladay, B.A., University of Puget Sound, 1964; M.A.T., Northwestern University, 1965. Education. *An Observational Approach to the Evaluation of Continuous Progress Instruction.*

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Louis Wolf Goodman, B.A., Dartmouth College, 1964; M.A., Northwestern University, 1966. Sociology. *Blue-Collar Work and Modernization*.
- Thomas Andrew Gorell, B.S., Quincy College, 1963; M.S., University of Arkansas, 1966. Biological Sciences. *Studies on the Hormonal Control of Protein and RNA Synthesis in the Crayfish ORCONNECTED VIRILIS*.
- Dean Lyle Gould, B.S. in Ed., Northeast Missouri State College, 1956; M.A. in Ed., University of Northern Iowa, 1960. Education. *A Comparative Study of Two Plans for Utilization of Class Time in the Teaching of First-Year Algebra*.
- John E. Gragg, Jr., B.A., Rice University, 1962; M.S., 1964. Materials Science. *The Internal Structure of Guinier-Preston Zones in Aluminum-5 Atomic Percent Silver*.
- Edgar Earl Graham, B.S., Pennsylvania State University, 1965; M.S., Northwestern University, 1967. Chemical Engineering. *Use of the Stefan-Maxwell Relations to Describe Ionic Exchange Resins*.
- Walter Van Vleck Greenhouse, B.A., The Johns Hopkins University, 1966. Biochemistry. *On the Relation of Compartmentation and Potassium Transport to the Control of Glycolysis in Ehrlich Ascites Tumor Cells*.
- Ann Lennarson Greer, B.A., Lake Forest College, 1967; M.A., Northwestern University, 1968. Sociology. *The Mayor's Mandate: A Study of Political Integration*.
- Robert Melvin Hadsell, B.A., Cornell College, 1964. Chemistry. *Photosynthesis in Rhodospirillum Rubrum: Photophosphorylation Quantum Requirements and Isolation of Subchromatophore Particles*.
- Edward Lindley Hall, B.S., Northwestern University, 1965. Materials Science. *A Neutron Diffraction Study of the Magnetic Properties of MnAs and MnAs_{0.92}P_{0.08}*.
- *J. Willard Harris, B.A., Roosevelt University, 1952; M.A., University of Chicago, 1959. Education. *Evaluation of Achievement and Opinions of Inner City Eighth Graders on Questions of Law*.
- Richard Roy Hautala, B.S., Colorado College, 1965. Chemistry. *Photoinduced Nucleophilic Aromatic Substitution Reactions Studied in the Presence of Micelle Forming Detergents*.
- Jane Stouder Hawley, A.B., Indiana University, 1958; M.A., University of California, 1960; M.A., Indiana University, 1966. Education. *Conflict and Pseudo-Conflict in Current Educational Reform in English*.
- Wilson Carlyle Hayes, B.S., Stanford University, 1964; M.S., 1966. Civil Engineering. *Mechanics of Human Articular Cartilage*.
- Jon Xavier Healy, B.M.Ed., Roosevelt University, 1966; M.M.Ed., 1967. Education. *The Job of the High School Principal: A Study of the Job Descriptions of Selected High School Principals Related to Three Dimensions of their Work*.
- Melvin Ralph Heck, B.A., University of North Dakota, 1967; M.A., Northwestern University, 1968. Education. *A Comparative Study of Group and Individual Approaches to the Cognitive and Affective Dimensions of the Counseling Practicum*.
- Karl Harry Hellman, B.S., Purdue University, 1964. Mechanical Engineering. *A Kinetic Theory Analysis of the Evolution of Shock, Thermal, and Expansion Waves Generated by an Impulsively Moved, Fractionally Accommodating Piston*.
- Joseph A. Hess, B.S., Northwestern University, 1949; M.B.A., Northwestern University, 1966. Management. *Noncapital Programming: A Theory of Financial Interdependencies*.
- Daniel A. Hill, B.S., Colorado State University, 1962; M.S., 1963. Physics. *Dynamic Polarization of Protons in Polymers at Low Temperatures*.
- John Edward Hinkle, Jr., A.B., Taylor University, 1955; B.D., Garrett Theological Seminary, 1959; M.A., Northwestern University, 1960. Religion. *A Study of Attitudes Toward Anger and the Expression or Inhibition of Anger in a Religious and a Non-Religious Population*.
- Ronald Henry Hirsch, B.S., Northwestern University, 1965; M.S., 1968. Mechanical Engineering. *Untrapping of Electrons in Longitudinal Plasma Oscillations*.
- Steven Thomas Holbrook, B.A., University of Northern Iowa, 1963; M.A., Northwestern University, 1968. Education. *Interdisciplinary Approach to the Training of Ph.D.'s in the School of Education at Northwestern University*.

*Degree awarded posthumously. Deceased April 20, 1970.

NORTHWESTERN UNIVERSITY

- Robert Edward Hollins, B.S., Roosevelt University, 1964. Chemistry. *Molecular Beam Mass Spectra and Pyrolyses of Pentaborane(9), Tetraborane Carbonyl, and Pentaborane(11); Formation and Mass Spectrum of B₄H₈*.
- Scott William Hopke, B.Ch.E., The Cooper Union, 1965; M.S., Northwestern University, 1967. Chemical Engineering. *Thermodynamics and Rheology of Interfaces*.
- Donald Charles Houts, B.A., State University of Iowa, 1949; B.D., Garrett Theological Seminary, 1952; M.A., Northwestern University, 1956. Religion. *The Use of Ego Identity Measures in Evaluating a Seminary Curriculum*.
- Song-Teh Huang, B.S., National Taiwan University, 1964; M.S., Northwestern University, 1967. Nuclear Engineering. *Studies of Asymptotic P_n Approximations to the Monoenergetic Neutron Transport Equation*.
- Roger Piatt Hull, B.A., Whitman College, 1966; M.A., Northwestern University, 1967. Art. CAMERA WORK, *An American Quarterly*.
- Robert Bryce Hutchison, B.S., University of Illinois, 1963; M.S., Northwestern University, 1965. Astronomy. *Radiative Lifetimes of UV Multiplets in Atomic Carbon, Nitrogen, and Oxygen*.
- William Ihlanfeldt, B.S., Illinois Wesleyan University, 1959; M.A., Northwestern University, 1963. Education. *Personal Characteristics of Satisfied and Non-Satisfied Northwestern University Students*.
- Takehiko, Ikeda, B.S., Yokohama National University, 1963; M.S., California Institute of Technology, 1964. Industrial Engineering. *Some Deterministic Inventory Models*.
- R. S. Itoga, B.S., University of Hawaii, 1963; M.S., Northwestern University, 1965. Electrical Engineering. *Electrical and Optical Properties of TlS_{0.5}Se_{0.5} and TlSe*.
- Edet Robinson Iwok, B.S., Miles College, 1964; M.B.A., Atlanta University, 1965. Management. *An Application of Economic Service Potential Method of Depreciation Accounting: A Theoretical Model*.
- George Frederick Jackson III, B.A., MacMurray College, 1965. Chemistry. *The Stereomutation of Phosphorus and Arsenic*.
- Raymond Arthur Jakwerth, B.A., The Ohio State University, 1953; M.A., 1958. French. *A Study of the Metaphorical Texture in Balzac's COMÉDIE HUMAINE*.
- Gene DeLon Jones, B.S., Northwestern University, 1952; M.A., 1953. History. *The Local Political Significance of New Deal Relief Legislation in Chicago: 1933-1940*.
- John Bush Jones, B.S., Northwestern University, 1962; M.A., 1963. English. *The Uncollected Verse of W. S. Gilbert: A Critical Edition*.
- Larry Oliver Jones, B.S., University of Minnesota, 1962; M.S., Northwestern University, 1965. Chemical Engineering. *Transport Properties of Membranes: Teorell Membrane Oscillator; Transport Properties of Reconstituted Collagen*.
- Andrew Peter Jovanovich, B.S., Colorado College, 1965. Chemistry. I. *The Solvolysis of Cis-2-bicyclo [5.1.0] octen-5-yl Tosylate*. II. *The Solvolysis of Syn-endo-6-tricyclo [3.2.1.0^{2,4}] octen-8-yl p-Nitrobenzoate*. III. *The Nuclear Magnetic Resonance Spectrum of Cyclopropene*.
- Nancy Harrison Jurca, B.S., University of Maryland, 1966; M.S., Northwestern University, 1968. Psychology. *Effects of Concept Learning on Stimulus Selection During Subsequent Paired-Associate Learning*.
- Martin G. Kalin, B.S., Loyola University, 1965; M.A., Northwestern University, 1967. Philosophy. *Kant's Theory of Transcendental Propositions*.
- Edmund Frank Kallina, Jr., B.A., Rice University, 1965. History. *A Conservative Criticism of American Foreign Policy: The Publications and Careers of Louis J. Halle, George F. Kennan, and Charles Burton Marshall, 1950-1968*.
- Barbara Jacobson Kendrick, B.A., DePauw University, 1961; M.A.R., Yale University Divinity School, 1963. Sociology. *Education, Industrialization, and Occupation Career Consequences: Chameleon, Not Social Fact Effects*.
- John Murray Kendrick, B.B.A., University of Texas, 1957; B.A., 1959; B.D., Yale Divinity School, 1962. Sociology. *Inter-Generational Educational Mobility During the Industrialization of Puerto Rico*.
- Gloria George Kinney, B.S., Northwestern University, 1960; M.A., 1964. Education. *A Descriptive Study of a Consortium as an Agency for Change in Education*.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Albert Paul Klose, B.A., Seton Hall University, 1953; M.A., Columbia University, 1961. Speech. *Howard K. Smith Comments on the News: A Comparative Analysis of the Use of Television and Print.*
- Steven Samuel Koblik, A.B., University of California, 1963; M.A., University of Stockholm, 1964. History. *Sweden: The Neutral Victor.*
- Olga Margarete Koenig, B.A., Central State College, 1959; M.A., University of Oklahoma, 1962. German. *August Wilhelm Schlegel als Kulturkritiker.*
- Roy Anthony Kotyneck, B.A., University of Illinois, 1961; M.A., Northwestern University, 1962. History. *291: Alfred Stieglitz and the Introduction of Modern Art to America.*
- Michael G. Kovac, B.S., University of Notre Dame, 1963; M.S., Northwestern University, 1965. Electrical Engineering. *Enhanced X-Ray Photoelectric Emission from Metal-Insulator Layers.*
- Mark Lawrence Ladenson, B.A., University of Wisconsin, 1963; M.B.A., University of Chicago, 1965. Economics. *Balance of Payments Impacts of American Direct Foreign Investment.*
- John A. Lamping, B.S., DePaul University, 1965; M.S., 1967. Biological Sciences. *Developmental Rhythmicity in the Salt Marsh Mosquito, Aedes taeniorhynchus (Wiedermann).*
- Gerald Jay Lancz, A.B., Oberlin College, 1964; M.S., Miami University, 1966. Microbiology. *Biochemical Alterations in L Cells Infected with Newcastle Disease Virus.*
- Robert E. Lapp, B.S., Northwestern University, 1965; M.B.A., University of Illinois, 1967. Industrial Engineering. *Consolidated Criteria for Hospital Support Functions.*
- William Wei-li Lee, B.S., National Taiwan University, 1961; M.S., Duke University, 1965. Mechanical Engineering. *Longitudinal Oscillations of a Lorentzian Electron Gas.*
- Margaret Ann Leonard, A.B., Marquette University, 1964; M.Ed., Loyola University, 1966. Education. *Student Perceptions of Counseling Centers Located in Certain Large Universities.*
- William Arthur Leppert, A.B., Princeton University, 1957; M.A.T., Northwestern University, 1964. Education. *Culture Against Anarchy: Doctor Thomas Arnold and the Englishman's Register.*
- Michael Paul Lerner, B.S., University of California, 1963; M.S., Kansas State University, 1967. Microbiology. *Metabolic Control of Biochemical Events During Mammalian Brain Development.*
- Barbara Caroline Lewis, B.A., Smith College, 1964. Political Science. *The Transporters' Association of the Ivory Coast: Ethnicity, Occupational Specialization, and National Integration.*
- Laurence Bor-Luen Liu, B.M., National Taiwan University, 1964. Pathology. *Application of Multiple Risk Factors for the Induction of Advanced Experimental Arteriosclerosis in Rhesus Monkeys.*
- Marvin John Lofquist, B.A., Augustana College, 1965. Chemistry. *Kinetics and Mechanism of Substitution Reactions of Molybdenum Hexacarbonyl and the Reaction of Azide Ion with Tungsten Hexacarbonyl.*
- Louis John Maccini, B.S., Boston College, 1965. Economics. *Delivery Lags and the Theory of Investment.*
- Harold A. Malehorn, B.A., Wheaton College, 1952; M.A., Northwestern University, 1956. Education. *Some Effects of Specific Visual-Motor Training on the Perceptual Development of Kindergarten Children.*
- Hannah L. Marshall, B.A., University of California, 1961; M.A., Northwestern University, 1966. Sociology. *The Educational Experiences of Meat Cutting Apprentices.*
- Jerry Lee Martin, A.B., University of California, 1963; A.M., University of Chicago, 1966. Philosophy. *Knowledge of Other Minds: Some Problems in the Logic and Epistemology of Skepticism.*
- Houshang Mazaheri, B.A., Military College (Tehran), 1955. Management. *An Investigation of Critical Requirements for Change Agents in Rural Iran.*
- Peter Ogden Mazur, B.S., California Institute of Technology, 1964. Physics. *Low-Momentum K^- - HE^+ Interactions.*

NORTHWESTERN UNIVERSITY

- Michael Patrick McCarthy, A.B., Princeton University, 1959; M.A.T., The Johns Hopkins University, 1963. History. *Business and Professionals in Municipal Reform: The Chicago Experience, 1887-1920.*
- Thomas G. McCord, B.S., Trinity College, 1963. Chemistry. *A C Polarography - Linear and Nonlinear Response with Rate Control by Diffusion, Charge Transfer, and/or Coupled First-Order Chemical Reactions.*
- David Clement McCormick, B.M.Ed., Southeastern Louisiana College, 1951; M.M., Northwestern University, 1952. Music. *A History of the United States Army Band, to 1946.*
- John Allen McDonald, B.A., David Lipscomb College, 1959; M.M., Northwestern University, 1961. Music. *The Chamber Music of Felix Mendelssohn-Bartholdy.*
- Thomas Herbert McGannon, B.Ed., Chicago Teachers College, 1961; M.A., Northwestern University, 1964. Education. *A Comparison of Two Methods of Teaching Calculus with Special Inquiry into Creativity.*
- Terence Joseph McGovern, B.E., The Cooper Union, 1965; M.S., Northwestern University, 1968. Chemical Engineering. *Simulation of Simultaneous Ion-Exchange and Catalysis in Chemical Reactors.*
- Francis Glen McLean, B.S., University of Omaha, 1962; B.S., 1963; M.S., University of Nebraska, 1965. Civil Engineering. *Analytical Investigation of Steady-State Flow Through Anisotropic and Layered Porous Media.*
- Edwin Lawrence Meyer, Jr., B.S., Bucknell University, 1965; M.S., Northwestern University, 1967. Civil Engineering. *Mathematical Modeling of Air Pollution Episodes.*
- Donald Abram Miller, B.E.E., George Washington University, 1963; M.S., Northwestern University, 1965. Electrical Engineering. *Dielectric and Dilatation Studies on Single Crystal Phenanthrene in the Temperature Range of 24 to 82° C.*
- Jon D. Miller, A.B., Ohio University, 1963; M.A., University of Chicago, 1965. Political Science. *The Development of Young Children's Ideas About Nations and Peoples.*
- S. Burkett Milner, B.S., Southern Illinois University, 1964; B.D., Garrett Theological Seminary, 1967. Religion. *An Empirical Examination into the Ministerial Role Expectations of Clergy and Laity in the United Methodist Church of the Illinois Area.*
- Glenn Roger Mortenson, B.S., University of Illinois, 1955; M.S., 1958. Music. *Development and Use of Computerized Procedures for Scoring Sight Reading of Rhythms to Compare the Effectiveness of Metric and Representational Notation with Conventional Notation.*
- Jean Gillies Mueller, B.A., Denison University, 1951. Art. *The Timeless Space of Edward Hopper.*
- Robert Kirkland Musil, B.A., Yale University, 1964; M.A., Northwestern University, 1966. English. *The Visual Imagination of William Faulkner.*
- K. Nagasubramanian, B.Ch.E., University of Bombay (India), 1965; M.S., Northwestern University, 1967. Chemical Engineering. *Effect of Residence Time Distribution in Branched Polymer Formation.*
- Nancy Lucille Nihan, B.S., Northwestern University, 1964; M.S., 1967. Civil Engineering. *Development of a Multi-Modal Optimal Operations Model for the Northeast Corridor: A Linear Programming Formulation.*
- Frank A. Nussbaum, B.A., University of Washington, 1961; M.S., Northwestern University, 1965. Mathematics. *Obstruction Theory of Possibly Nonorientable Fibrations.*
- Jean Fox O'Barr, A.B., Indiana University, 1964; M.A., Northwestern University, 1965. Political Science. *Ten-house Party Cells and their Leader: Micropolitics in Pare District, Tanzania.*
- William McAlston O'Barr, B.A., Emory University, 1964; M.A., Northwestern University, 1966. Anthropology. *An Ethnography of Modernization: Pare Traditionality and the Impact of Recent Changes.*
- Barbara Frank Okun, B.A., Wellesley College, 1957; M.A., University of Michigan, 1966. Education. *A Study of the Variables Affecting the Occupational Choice of Women 12-20 Years After College Graduation.*
- Frederick Dale Orr, B.A., University of Washington, 1965. Economics. *A Measure of Capital Services for the U.S. Manufacturing Industries.*

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Joseph Walter Paciorek, A.B., Boston College, 1964; M.S., Northwestern University, 1966. Mathematics. *Resolutions of Ideals Defined by Matrices and Chern Classes.*
- V. R. Parameswaran, B.Sc., Maharaja's College (India), 1956; B.Tech., Indian Institute of Technology (India), 1960. Materials Science. *Dislocation Mobility in Lead and Lead-Indium Alloy Single Crystals.*
- Joe Charles Park, B.A., Michigan State University, 1960; M.A., Northwestern University, 1967. Education. *Chicago Suburban and Inner-City Student Opinion and Achievement Related to Law in American Society.*
- George Edward Pestrue, B.A., Central Michigan University, 1961; B.D., Garrett Theological Seminary, 1965. Religion. *The Effect of N Achievement, Self-Esteem, and Instructions on the Performance of a Simple Addition Task by Hospitalized Physically-ill Patients.*
- Wallace Christian Petersen, B.A., DePauw University, 1965. Chemistry. *A Study of the Nature of the Photoexcited States of Nitroaromatic Compounds by Chemical Methods.*
- Lawrence Henry Pinto, B.E.E., Villanova University, 1964; M.S., Northwestern University, 1967. Physiology. *The Response of the Cat Retinal Ganglion Cell: Properties of the Surround Mechanism, Center Surround Interaction and the Pure Off-Discharge.*
- Robert William Pirsein, B.A., Marquette University, 1961; M.A., 1963. Speech. *The Voice of America: A History of the International Broadcasting Activities of the United States Government, 1940-1962.*
- Diana Poll, B.A., University of Illinois, 1947; M.A., DePaul University, 1965. Education. *A Study of Selected Factors Related to the Implementation of Centrally Prepared Curriculum Guides.*
- Joann Powell, B.S. in Ed., Youngstown University, 1956; M.S. in Ed., Westminster College, 1960. Education. *An Analysis of Factors Relating to Decisions to Transfer from Northwestern University by Freshman Women.*
- Juan Prawda, Eq. of B.S., University of Mexico, 1966; M.S., Northwestern University, 1968. Industrial Engineering. *Multi-Period, Multi-Echelon, Single Commodity, Stochastic, Production-Allocation Systems, Subject to Joint Linear Production and Shipping Constraints.*
- Kavasserri Vaidianatha Ramanathan, B.Com., University of Calcutta (India), 1954; M.B.A., Northwestern University, 1962. Management. *A Mathematical Programming Approach to Strategic Planning in Diversified Firms.*
- John Wesley Rau III, B.S., Northwestern University, 1963; M.S., 1965. Electrical Engineering. *Some Optical and Galvanomagnetic Properties of GeAs and GeAs₂.*
- Donna Raymer, B.S., University of Illinois, 1951; M.A., Northwestern University, 1965. Education. *A Study of Compensatory Education for "High Risk" College Students.*
- Martin Joseph Redding, B.S., Villanova University, 1959; M.S., University of Illinois, 1960. Civil Engineering. *The Quality of Residential Environments: Preference for Accessibility to Residential Opportunities.*
- Allen D. Reich, B.S., Wisconsin State College, 1954; B.D., Garrett Theological Seminary, 1963; M.S., University of Wisconsin, 1956. Mechanical Engineering. *Ionization Growth Rate in a Plasma.*
- John Franklin Reiger, B.A., Duke University, 1965; M.A., University of Florida, 1966. History. *George Bird Grinnell and the Development of American Conservation, 1870-1901.*
- Karl J. Reimann, B.S., Phillips Technical University (Holland), 1952; M.S., Illinois Institute of Technology, 1960. Electrical Engineering. *Feasibility of an Ultra-sound Storage Table Using Thin Film Transistors.*
- Robert Joel Reynolds, B.S., Northwestern University, 1956. Economics. *The Regulatory Process: An Analysis of its Impact on Firm Behavior.*
- Joe A. Richardson, B.S., University of Wisconsin, 1956; M.A., Northwestern University, 1961. Education. *Influence Relations and Work Attitudes: A Study of the Relationship Between the Perceived Influence of Selected Reference Groups and Elementary Teachers' Attitudes Toward Significant Aspects of Their Work Environment.*
- James H. Robbins, B.A., Michigan State University, 1964. History. *Voting Behavior in Massachusetts, 1800-1820: A Case Study.*

NORTHWESTERN UNIVERSITY

- Wesley Wallace Roberts, B.S., Michigan State University, 1962; M.S., University of New Mexico, 1964. Theoretical and Applied Mechanics. *Viscoelastic Properties of Fibrin Clots*.
- Michael Harvey Robins, B.A., University of Illinois, 1963; M.A., Roosevelt University, 1966. Philosophy. *The Fact-Value Dichotomy: A Theory of Games Analysis*.
- Beecham R. Robinson, B.A., Georgetown College, 1958; M.A., University of Illinois, 1959. Education. *An Analysis of a Human Relations Training Program Designed to Help Administrators Modify their Behavior*.
- Mercedes M. Robles, B.S. in Ed., Northwestern University, 1960; M.A., 1961. Spanish. *The Evolution of Narrative Techniques in the Works of Manuel Rojas until 1970*.
- Jerry R. Rogers, B.S., University of Arkansas, 1963; M.S., 1964. Civil Engineering. *Seasonal Streamflow Generation for Rivers with Highly Variable Flow*.
- Frederick James Ryan, B.A., SUNY at Buffalo, 1965. Chemistry. *Studies on Chlorophyll. Investigations on the Preparation of Water-Soluble Chlorophyll Derivatives. Studies on the Oxidation and Reduction Properties of Chlorophyll Analogues*.
- Stephen Masao Sato, B.S., University of Hawaii, 1965; M.S., Northwestern University, 1969. Electrical Engineering. *Partial and Group Decoupling in Multivariable Control Systems*.
- John Crockett Sattler, B.A., University of Michigan, 1962; A.M., 1963. Speech. *A Thematic Analysis of the 1960 Gubernatorial Campaign in Michigan*.
- Alan E. Schaefer, B.S., Eastern Michigan University, 1952; M.A., University of Michigan, 1955. Education. *An Experimental Study of the Use of Three Microteaching Skills in the Appraisal Interview*.
- Eric Schaps, B.A., Northwestern University, 1964; M.S., Pennsylvania State University, 1966. Psychology. *Some Determinants of Helping Behavior in a Field Setting*.
- Robert Caesar Scharff, B.A., University of Illinois, 1961; M.A., Northwestern University, 1965. Philosophy. *"Erlebnis" and "Existenz": Dilthey and Heidegger on the Approach to Human Experience*.
- Paul T. Schindler, Lit.B., Xavier University, 1959; A.M., Loyola University, 1963. Sociology. *Learning to Fail: Ranking Procedures and the Self-Fulfilling Prophecy in Elementary School*.
- Randall L. Schultz, B.S., The Ohio State University, 1965; M.B.A., Wayne State University, 1967. Management. *The Development of a Marketing Planning Model Through Simultaneous-Equation Multiple Regression Analysis: An Airline Study*.
- Zeev Schuss, B.Sc., University of Tel Aviv, 1965; M.Sc., 1967; M.S., Northwestern University, 1968. Mathematics. *Asymptotic Expansions for Parabolic Systems*.
- Sean Shesgreen, B.A., Loyola University, 1962; M.A., 1966. English. *The Literary Portraits in the Novels of Henry Fielding*.
- Gerald Burton Silverman, B.S., Brooklyn College, 1966; M.S., Northwestern University, 1967. Mathematics. *Rearrangements Invariant Köthe Spaces*.
- Louis Silverstein, B.B.A., City College of New York, 1962; M.A., University of Illinois, 1963. Education. *A Critical Analysis of the Treatments Given Violence in Leading Eleventh Grade American History Textbooks*.
- Joseph Paul Smaldone, A.B., Holy Cross College, 1967; M.A., Northwestern University, 1969. History. *Historical and Sociological Aspects of Warfare in the Sokoto Caliphate*.
- Richard A. Smiarowski, B.A., Washington and Jefferson College, 1961; M.A., Ohio University, 1963. Speech. *Relations Among Temporal Resolution, Forward Masking, and Simultaneous Masking*.
- Richard Lee Smith, B.Ed., Chicago Teachers College, 1957; M.A., 1964. Education. *An Analysis of the Present Status and Historical Development of the Chicago Public School District Superintendency*.
- Stephen Edwin Smith, B.S., Northwestern University, 1966; M.S., 1968. Electrical Engineering. *Linear Methods in Nonparametric Sequential Pattern Classification*.
- Hildreth Houston Spencer, B.A., Ohio Wesleyan University, 1948; M.A., University of Michigan, 1949. Education. *To Nestle in the Mane of the British Lion: A Study of Canadian Black Education, 1820-1870*.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Leonard Thomas Sperry, B.A., St. Mary's College, 1966. Education. *An Experimental Study of the Outputs of Curriculum Groups Under Varying Levels of Simulated Expectations and Social Class.*
- William James Steingrandt, B.S., Northwestern University, 1963; M.S., 1967. Electrical Engineering. *Unsupervised Learning, Machine Phonetics, and Waveform Recognition.*
- Jacob John Stiglich, Jr., B.S., Marquette University, 1961. Materials Science. *Interdiffusion and Defect Structure in NiO + CoO Solid Solutions.*
- Herbert J. Strentz, B.A., Fresno State College, 1960; M.A., Syracuse University, 1964. Journalism. *A Survey of Press Coverage of Unidentified Flying Objects, 1947-1966.*
- Audrey Marso Stutz, B.A., Valparaiso University, 1966; M.S., Northwestern University, 1968. Biological Sciences. *Periodicities in Spontaneous Activity of the Mongolian Gerbil, Meriones Unguiculatus, Synchronized with Major Geophysical Cycles.*
- Henry Horng-Yan Su, B.S., Chinese Naval Academy, 1954; M.S., National Chiao-Tung University, 1965. Electrical Engineering. *Optical Pulses Propagation in a Turbulent Medium.*
- Basil Ian Swanson, B.S., Colorado School of Mines, 1966. Chemistry. *Structures, Molecular Vibrations, and Bonding in Boron Trihalide Adducts of Acetonitrile.*
- John Robert Taccarino, A.B., Marquette University, 1963; M.Ed., Loyola University, 1967. Education. *The Relationship Between Value Inconsistency and Ineffective Social Adjustment.*
- Masaru Tanaka, B.S., Kyoto University (Japan), 1964; M.S., Northwestern University, 1967. Civil Engineering. *A Linear Programming Model for Solid Wastes Management.*
- David Anthony Tansik, B.B.A., University of Texas, 1965; M.A., Northwestern University, 1968. Management. *Influences of Organizational Goal Structures on the Selection and Implementation of Management Science Projects.*
- Charles Richard Thomas, B.S. in Ed., University of Wisconsin, 1957; M.A., Northwestern University, 1966. Education. *A Study of Lay Participation in the Elimination of DE FACTO Racial Segregation in a Northern School District.*
- Theodore Melvin Thorson, Jr., B.S., University of North Dakota, 1961; M.S., University of Minnesota, 1965. Civil Engineering. *The Response of Streptozotocin Diabetic Rats to Ionizing Radiation.*
- Paul Albert Torelli, B.A., La Salle College, 1965. Mathematics. *The Theory of Higher Order M-Adic Differentials.*
- James Roy Tozer, B.A., Lake Forest College, 1952; B.D., McCormick Theological Seminary, 1955; Th.M., Christian Theological Seminary, 1959. Religion. *The Concept of God in the Writings of John Baillie.*
- Leona C. Truchan, B.A., Alverno College, 1953; M.S., DePaul University, 1963. Biological Sciences. *Geoelectromagnetic Field Effects on the "Spontaneous" Motor Activity of the Albino Mouse, Mus musculus.*
- Allen Brown Tucker, Jr., B.A., Wesleyan University, 1963; M.S., Northwestern University, 1969. Applied Mathematics. *Sets, Algorithms, and Independence.*
- Dogan Turhan, M.S., Technical University of Istanbul, 1965. Theoretical and Applied Mechanics. *A Dynamic Theory of Directionally Reinforced Composites.*
- Philip Stephen Unger, B.E.S., The Johns Hopkins University, 1966; M.S., Northwestern University, 1968. Applied Mathematics. *The Dual of the Dual in Nonlinear Programming.*
- Sam B. Upchurch, B.A., Vanderbilt University, 1963; M.S., Northwestern University, 1966. Geological Sciences. *Sedimentation on the Bermuda Platform.*
- Akio Urakami, B.S., Tokyo Institute of Technology, 1965; M.S., Northwestern University, 1967. Materials Science. *Effect of Li Additions on Mechanical Properties of Mg Base Single Crystals in Basal and Prismatic Slip.*
- Paul John Uselding, B.S., Northwestern University, 1961; M.B.A., Cornell University, 1963. Economics. *Studies in the Technological Development of the American Economy During the First Half of the Nineteenth Century.*
- William Cheng Uy, B.S., De La Salle College (Philippines), 1965; M.S., Northwestern University, 1967. Chemical Engineering. *Viscosity and Normal Stresses in Linear Polyvinyl Acetate Systems.*

NORTHWESTERN UNIVERSITY

- Larry R. Van Winkle, B.A., Lewis College, 1962; M.S. in Ed., Northern Illinois University, 1966. Education. *An Investigation of Teacher Aide Utilization in Illinois Schools.*
- William Benjamin Vesely, B.S., University of Chicago, 1965; M.S., Northwestern University, 1967. Mathematics. *Asymptotic Solution of a Linear Volterra Integral Equation.*
- Ernst Dieter Von Meerwall, B.S., Northern Illinois University, 1963; M.S., 1965. Physics. *Nuclear Magnetic Resonance and Magnetic Susceptibility Study of the Vanadium - Manganese Alloy System.*
- Robert Joseph Wargel, B.A., Evansville College, 1966. Chemistry. *On the Mechanism of D-Cycloserine Action: Transport Systems for D-Alanine, D-Cycloserine, L-Alanine, and Glycine.*
- Thomas M. Warne, Jr., B.A., Yale University, 1961; M.S., University of Illinois, 1963. Chemistry. *The Total Synthesis of (+)-Isonootkatone.*
- John S. Watterson III, B.A., University of Virginia, 1962; M.A., Western Reserve University, 1967. History. *Dr. Thomas Burke, a Revolutionary Career.*
- Donald Ernest Weber, B.S., Case Institute of Technology, 1963; M.S., Northwestern University, 1965. Physics. *Electron Microscopic Study of Heavy Ion Irradiation Damage of Thin Gold Film.*
- Ronald Redin Wemple, B.S., Northwestern University, 1951; M.D., University of Chicago, 1955; M.S., Northwestern University, 1957. Theoretical and Applied Mechanics. *Analysis of Cardiac Assist Methods.*
- Barry Leslie Werner, B.S., University of Illinois, 1963. Physics. *Resonance Production by Non Strange Boson Exchange in K^-d Interactions at 5.5 GeV/c.*
- Stephen Jesse Wersan, A.B., Earlham College, 1954. Civil Engineering. *Mathematical Modelling and Computer Simulation for the Design of Municipal Refuse Collection and Haul Services.*
- Daniel L. White, B.S., Georgetown University, 1965. Management. *Customer Allocation in Banking.*
- Allan Richard Whitmore, B.A., University of Maine, 1962; M.A., Northwestern University, 1964. History. *Beard, Boys, and Buckskins: Daniel Carter Beard and the Preservation of the American Pioneer Tradition.*
- Richard Hayes Wilson, B.S., East Tennessee State University, 1964; M.S., Vanderbilt University, 1965. Speech. *The Interaction Between Forward and Backward Masking.*
- Paul William Wood, B.A., The Athenaeum of Ohio, 1954; M.A., University of Cincinnati, 1960. French. *A Comparative Study of Jean Anouilh and Moliere: The Development of Thought, Character, and Techniques in Anouilh's Theatre Considered in Relation to Moliere.*
- Don Wayne Worthington, B.S., Utah State University, 1964; M.S., 1966. Speech. *Spatial Patterns of Cochlear Difference Tones.*
- Christian D. Wunsch, B.A., Northwestern University, 1961; M.S., 1966. Biochemistry. *The Detection of Similarity in Amino Acid Sequences.*
- Dennis C. Zacek, B.A., DePaul University, 1963; M.A., Northwestern University, 1965. Speech. *The Acting Techniques of Edwin Booth.*
- Eugene B. Zechmeister, B.A., University of New Mexico, 1966; M.S., Northwestern University, 1968. Psychology. *Short-Term Recognition Memory as a Function of Method of Presentation and Situational Frequency of Test Alternatives.*
- Sanjo Zlobec, B.Sc., University of Zagreb, 1963; M.Sc., 1967. Applied Mathematics. *Contributions to Mathematical Programming and Generalized Inverses.*

MASTER OF ARTS

- Ann Babcock Adams, B.S., Cornell University, 1947. Education.
- Robert Orson Ahlenius, B.A., Illinois Wesleyan University, 1960. Speech.
- Sunday Adebowale Ajose, B.A., Antioch College, 1968. Mathematics.
- Barbara Sue Allen, B.A., Westminster College, 1968. Speech.
- William Franklin Austin, B.A., Northeastern Illinois State University, 1969. Education.
- Terrance Lee Ayers, B.S., Western Michigan University, 1966. Education.
- Joy Lynne Bacon, B.A., University of South Florida, 1967. English.
- Lynn Bains, B.S., Northwestern University, 1966. Speech.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Beatrice Lillian Baker, A.B., Marquette University, 1967. Sociology.
 Jaisook Ryu Bahng, B.A., Ewha Woman's University (Korea), 1967. Speech.
 Maureen Kay Baldwin, B.A., Upper Iowa University, 1967. Speech.
 Lane Thurston Barnett, B.D., Harvard Divinity School, 1961. Sociology.
 Robert Ross Beattie, B.A., Northwestern University, 1966. Political Science.
 Jean Marie Beck, B.A., Duke University, 1967. English.
 Nancy Ellen Becker, B.A., University of Illinois, 1969. Education.
 Francisco Belandria, Eq. of B.A., University of the Andes (Venezuela), 1965. Economics.
 Elizabeth Kathryn Best, B.A., Montclair State College, 1968. Geography.
 Michael Jay Biel, B.S., Temple University, 1968. Speech.
 Robert James Billimack, B.S., Loyola University, 1965. English.
 Robert Arthur Birch, B.A., Claremont Men's College, 1969. German.
 Vaughn Frederick Bishop, B.A., Northwestern University, 1968. Political Science.
 Dagny Dorothy Bloland, B.S., Northwestern University, 1969. English.
 James V. Blowers, B.A., University of Rochester, 1968. Mathematics.
 Janet Rahmussen Bornhoeft, B.S., Northwestern University, 1968. Speech.
 Calvin Pendall Bradford, B.A., Trinity College, 1966. Sociology.
 Howard L. Bradley, Jr., B.A., Marquette University, 1969. German.
 Thomas R. Brennan, B.S., United States Military Academy, 1963. Sociology.
 Debra Ellen Bruns, Eq. of B.A., University of Perugia (Italy), 1969. German.
 Joan M. Buffington, B.A., University of New Hampshire, 1966. Speech.
 Pauline Sonderegger Buss, B.F.A., Mundelein College, 1959. English.
 David Charles Byrne, B.A., Knox College, 1967. Mathematics.
 Joan Ann Campbell, A.B., University of Michigan, 1969. Education.
 Margaret Graham Campbell, A.B., University of North Carolina, 1966. English.
 Judith S. Cantor, A.B., Goucher College, 1967. Classics.
 Mary Lunz Carlson, B.A., Valparaiso University, 1966. Speech.
 Terri Turner Casady, B.S., University of Kansas, 1968. English.
 Sarah Canning Chapin, B.A., Wellesley College, 1969. German.
 Tony Poon-Chiang Chi, B.Th., Trinity Theological College, 1965. Religion.
 Bechir Chourou, B.A., Roosevelt University, 1969. Political Science.
 Karen Ann Christiansen, B.A., St. Mary of the Woods College, 1961. Mathematics.
 Ariel Clignet, Eq. of B.A., University of Abidjan, 1961. French.
 Jane Luccile Collins, B.A., Washington State University, 1963. Linguistics.
 Patricia A. Collins, B.A., Marietta College, 1969. English.
 Lynette J. Colmcy, B.A., Duke University, 1958. Speech.
 Daniel L. Colvin, B.A., Wheaton College, 1969. English.
 Mary Jane Connell, B.A., University of Michigan, 1969. Speech.
 Diane Pennell Cook, B.A., Swarthmore College, 1969. German.
 Virginia M. Coplan, B.S., Purdue University, 1948. Education.
 Tracy Adams Corr, B.S., Marquette University, 1969. Speech.
 Raymond Richard Corrado, B.A., Michigan State University, 1967. Political Science.
 Elizabeth M. Craciun, B.A., Purdue University, 1969. German.
 Yolande Ruth Crosby, B.S., University of Texas, 1967. Speech.
 John E. Drodow, B.A., University of Nebraska, 1968. History.
 Sharon Drwall, B.S., Winona State College, 1967. History.
 Deborah Ruth Dubin, B.S., Northwestern University, 1969. Speech.
 Lois Brooks Durschlag, B.S., Northwestern University, 1968. Speech.
 Raymond Douglas Duvall, A.B., University of Pennsylvania, 1969. Political Science.
 Penelope Parr Eccles, B.A., Sir George Williams University, 1967. Sociology.
 James Howard Eckl, B.A., Michigan State University, 1967. Sociology.
 Ronald Gordon Ehrenberg, B.A., Harpur College, 1966. Economics.
 Margaret M. Elkholy, B.A., Northern Illinois University, 1969. German.
 William S. English, B.A., Arizona State University, 1969. Speech.
 Virgilio G. Enriquez, A.B., University of the Philippines, 1961. Psychology.
 David Lawrence Fairchild, A.B., Purdue University, 1968. Philosophy.
 Judith Ann Ferraro, B.A., SUNY at New Paltz, 1968. Speech.
 Joan Tauber Field, B.A., University of Michigan, 1968. Education.

NORTHWESTERN UNIVERSITY

- Gabrielle Fitzgerald, B.A., University of Melbourne, 1967. English.
- Sally Mancsberg Flanzer, B.A., University of Illinois, 1968. Education.
- Abraham S. Frajndlich, B.A., Northwestern University, 1968. English.
- Renee Franzblau, B.S., Boston University, 1968. Speech.
- Judy S. Frazin, B.A., University of Wisconsin, 1964. Education.
- Myrna E. Friedman, B.A., University of Illinois, 1969. Education.
- Kathleen Furey, B.A., De Paul University, 1962. Speech.
- Richard J. Gambala, A.B., Loyola University of Chicago, 1967. Classics.
- Natalie Ellen Garland, B.S., Northwestern University, 1962.
- Margaret Leiter Gassler, A.B., University of Miami, 1950. English.
- Pacita C. Gavino, A.B., University of the Philippines, 1967. English.
- Joel F. Geils, B.A., University of Illinois, 1966. German.
- Dale Lee Genz, B.A., Valparaiso University, 1966. English.
- Baylor Price Gibson, Jr., B.S., Virginia Military Institute, 1943. Education.
- Linda Yvette Gitner, B.A., University of Illinois, 1969. English.
- Michael A. Goldberg, B.A., Columbia University, 1966. Sociology.
- Mary Alice Goodman, B.A., Smith College, 1960. Education.
- Sharon Eileen Goodman, B.S., Northern Illinois University, 1965. Mathematics.
- Peter Nils Grabosky, A.B., Colby College, 1966. Political Science.
- Arline Schroeder Granum, B.S., University of Wisconsin, 1942. Speech.
- Sophie Ruth Grossman, B.A., The American University, 1969. English.
- Ann S. Guild, A.B., Syracuse University, 1968. Speech.
- Voltaire Antonio R. Gungab, A.B., University of the Philippines, 1964. Speech.
- Diane Elaine Gustafson, B.A., Augustana College, 1966. Speech.
- Walt Handschin, A.B., Columbia University, 1967. Sociology.
- A. Louise Harrell, B.A., Wichita State University, 1969. Speech.
- Dayton William Haskin, B.A., University of Detroit, 1968. English.
- Renée Cunningham Hausmann, B.A., Washington University, 1969. English.
- Charles W. Henrich, B. of Ed., Wisconsin State University, 1964. Mathematics.
- W. Joseph Hetherington, B.A., LaSalle College, 1969. English.
- Mary Jane Hewlett, B.A., Elmhurst College, 1962. English.
- Martha E. Hildebrandt, B.S., Wheaton College, 1968. Education.
- Giles Wesley Hoya, B.A., Miami University, 1965. Speech.
- Sharon Leigh Hoisington, B.A., Washington State University, 1965. Education.
- Sharyn Marie Holcomb, B.A., St. Olaf College, 1966. Education.
- Gerda Wolff Hoover, B.A., University of Hamburg, 1951. German.
- Chetera Gayle Ingram, B.A., California State College, 1964. Speech.
- Carol Ruth Iverson, B.A., Augustana College, 1969. Education.
- Gahan Ann Jacobs, B.A., Trinity College, 1969. Education.
- Emily Louise Jatis, B.S., College of St. Teresa, 1960. Education.
- Adell K. Johannes, B.A., University of Minnesota, 1967. Anthropology.
- Beverly Kac Johnson, B.S., The Iowa State University, 1961. Religion.
- Isaac J. Johnson, B.A., Atlantic Union College, 1968. English.
- Wynellen Jones, B.A., Wheaton College, 1968. English.
- Kerma Train Kamen, B.A., University of Illinois, 1969. English.
- Muriel Kaplan, B.S., Northwestern University, 1969. Speech.
- Lawrence Joseph Karnowski, B.S., United States Air Force Academy, 1961. Economics.
- Arnold J. Katz, B.A., New York University, 1968. Economics.
- Edward Robert Kealy, B.A., St. Peter's College, 1969. Sociology.
- Edward J. Kepka, B.S., University of Illinois, 1967. Psychology.
- Jennie L. Kimseng, B.S., University of San Carlos, 1965. Speech.
- Martha Kishner, B.A., University of Michigan, 1968. Education.
- Mary Joyce Knox, B.A., Mundelein College, 1955. Education.
- Mary Lynn Koop, B.A., Hope College, 1969. Education.
- Jennifer Ilene Korn, B.A., University of Michigan, 1968. Speech.
- Virginia Jean Kotynek, B.A., Wheaton College, 1964. Spanish.
- Susan E. Kravec, B.S., Loyola University, 1968. Speech.
- Bernard G. Krimm, B.A., La Salle College, 1969. English.
- Dorothy Anne Lafferty, B.S., Miami University, 1952. Education.
- Robert Richard Lance, Jr., B.A., Western Maryland College, 1969. German.
- Susan Jo Latham, B.A., University of Illinois, 1969. English.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Thomas L. Laughlin III, B.A., Yale University, 1967. Political Science.
 Lila Brier Lederman, A.B., University of Southern California, 1944. Education.
 Kenneth Allan Lehman, B.A., The John Hopkins University, 1965. Sociology.
 James Robert Lehnung, B.A., LaSalle College, 1969. History.
 Stephen Leit, A.B., University of Rochester, 1967. History.
 Joan Marie Leonard, B.A., Michigan State University, 1965. Religion.
 Michael Lewis, B.A., College of the City of New York, 1968. Sociology.
 Richard Alan Liroff, A.B., Brandeis University, 1969. Political Science.
 Bonnie E. Litowitz, B.A., Columbia University, 1960. Linguistics.
 Susan Long, B.A., Stanford University, 1969. History.
 Marilyn S. Loren, B.A., Wayne State University, 1965. Psychology.
 Annette W. Lowe, B.A., Westmont College, 1969. English.
 Donald Fred Lutz, B.S., University of Colorado, 1967. Education.
 John Tracy Lybolt, B.S., Northwestern University, 1969. Speech.
 Mary Catherine Lyons, B.A., Western College for Women, 1967. Religion.
 Patricia M. Magee, B.S., San Diego State College, 1968. Speech.
 Carol Malmi, B.A., Dickinson College, 1969. English.
 Christine Elizabeth Marshall, B.A., Mills College, 1969. English.
 Ubaldo Martinez-Lazaro, Eq. of B.A., University of Madrid, 1966. Sociology.
 Florence Elizabeth Matthiesen, B.S., Carthage College, 1966. Education.
 Zita Mavris, B.A., Northwestern University, 1968. Art.
 Edward Robert Maxwell, Jr., A.B., St. Joseph's College, 1967. Linguistics.
 Roger Michael Maze, B.R.E., Malone College, 1959; B.D., Nazarene Theological Seminary, 1963. Religion.
 Janet Evans McBride, B.A., Mundelein College, 1968. Speech.
 Patricia H. McCann, B.Sc., The Ohio State University, 1951. Religion.
 Terry Lee McIntyre, B.A., Loyola University, 1969. English.
 Barbara J. McKay, B.S., Northwestern University, 1953. Religion.
 Alan Soldwell Mehl, B.S., Bradley University, 1969. Speech.
 Dorothea Dudley Melton, B.A., Southwestern University, 1964. Religion.
 Lawrence Mencotti, B.A., Wayne State University, 1965. Sociology.
 Christian K. Messenger, B.A., Trinity College, 1964. English.
 Lynn Naekel Meyer, B.A., Northwestern Univerhity, 1960. English.
 Donna Gayle Middleton, B.A., Catholic University of America, 1968. Speech.
 Cheryl Christine Miller, B.A., La Sierra College, 1967. Speech.
 Marilyn J. E. Mills, A.B., Brooklyn College, 1963. Education.
 Kathleen L. Mivshek, B.A., Carthage College, 1969. Speech.
 Roberto Moscati, Eq. of B.A., Catholic University of Milan, 1963. Sociology.
 Edward Hartley Mottershead, B.A., Northwestern University, 1968. English.
 Dorothy F. Murphy, B.Ed., National College of Education, 1966. Education.
 Nancy Therése Murray, B.A., Rosary College, 1966. English.
 Lohini Namasivayam, B.A., University of Ceylon, 1966. Sociology.
 Carol Ann Nespoli, B.A., Montclair State College, 1966. Speech.
 Elizabeth Sue Neufeld, B.A., University of Massachusetts, 1968. Speech.
 Lyn Greenburg Nichols, B.A., College of St. Francis, 1963. Speech.
 Richard Niemi, B.A., University of Minnesota, 1965. Education.
 Judith H. Nierman, B.S., Northwestern University, 1953. Speech.
 Lenoir Low Nobles, B.A., University of Southern Mississippi, 1967. Speech.
 Judith Oliphant Ogden, B.A., Connecticut College, 1966. English.
 Savas Özatalay, B.S., Middle East Technical University, 1968. Economics.
 Cathleen Major Peterson, B.A., Lawrence College, 1957. Education.
 William John Phebus, B.S., Northern Illinois University, 1969. Speech.
 Alice O'Mara Piron, B.A., Rosary College, 1952. Art.
 Isabel R. Porras, Eq. of B.A., University of Havana (Cuba), 1948. Spanish.
 Carol Hausman Ramaley, B.A., The Ohio State University, 1969. English.
 Clouia P. Rath, B.S., Miami University, 1953. Education.
 Barbara M. Reiber, B.A., Albertus Magnus College, 1956. History.
 Marion J. Reis, B.S., St. Louis Univerhity, 1952; M.A., University of Illinois, 1958. Russian.
 Laura Ann Riley, B.A., Wheaton College, 1969. English.
 M. Susan Rink, B.A., Clarke College, 1948; M.S., Purdue University, 1963. Education.

NORTHWESTERN UNIVERSITY

Jacalyn Anne Roche, B.S., Northwestern University, 1968. Education.
 Suzanne Lawrence Rogers, B.A., Rosary College, 1961. Education.
 Robert Charles Rose, A.B., Franklin and Marshall College, 1965. Economics.
 Barbara Rosenblum, B.A., Boston College, 1969. Sociology.
 Donna Lynn Rothenberg, B.A., Washington University, 1967. Speech.
 Elyse Weissman Ruden, B.A., Queens College, 1968. Art.
 Lois Stevenson Ryan, B.A., University of Pennsylvania, 1953. Speech.
 Marina Samios, B.S., University of Illinois, 1962. Education.
 Alexander Sanders, B.S., Roosevelt University, 1960. Speech.
 Judy Alida Sangerman, A.B., Augustana College, 1959. English.
 James Edward Savage, Jr., A.B., Norfolk State College, 1968. Education.
 Amos C. Sawyer, B.A., University of Liberia, 1966. Political Science.
 Paul G. Schervish, B.A., University of Detroit, 1968. Sociology.
 Joseph William Schmitt, A.B., Quincy College, 1955. Speech.
 Katherine J. Schneegas, B.S., Chicago State College, 1967. Education.
 Linda Marcia Schwartz, B.S., The Ohio State University, 1969. Education.
 Patricia Gail Schwer, B.A., Elmhurst College, 1967. Mathematics.
 W. Burleigh Seaver, Jr., B.A., Yale University, 1967. Psychology.
 Shari Lee Seidman, B.A., University of Michigan, 1968. Psychology.
 Mary Christine Sharer, B.A., Mercyhurst College, 1969. Speech.
 Susan Shaw, B.S., Louisiana State University, 1968. Speech.
 Virginia Anne Sheerin, B.A., Albertus Magnus College, 1969. English.
 Frederick Warren Siegel, B.A., Wabash College, 1967. Mathematics.
 Dancen Ellen Simms, B.S., Northwestern University, 1969. Speech.
 Margaret Wright Simonsen, B.S., University of Minnesota, 1961. Education.
 Kenneth Dale Simonson, B.A., University of Chicago, 1969. Economics.
 Claire I. Skilton, B.A., University of Santa Clara, 1968. English.
 Robert Francis Skupien, B.A., University of Notre Dame, 1969. English.
 Kay Melissa Smith, B.S., Concordia College, 1964. Education.
 Shirley Ann Kendrick Smith, A.B., Fresno State College, 1964. Education.
 Joyce R. Starr, B.A., University of Michigan, 1967. Sociology.
 Cynthia Kay Porter Stefango, B.S., Northwestern University, 1967. Speech.
 Bonni Fisher Steffenson, B.A., University of Denver, 1966. Education.
 Eduardo Stein Barillas, B.A., St. Louis University, 1969. Speech.
 Anne Rivers Stellwagen, B.A., Oberlin College, 1969. Art.
 Gwen Louise Stern, B.A., George Washington University, 1968. Anthropology.
 V. Mary Stewart, B.A., Queen's University, 1965. Psychology.
 Janet E. Stock, B.A., De Paul University, 1966. English.
 Michael S. Stohl, B.A., SUNY at Buffalo, 1969. Political Science.
 Joan Hannah Sophie Stroner, B.A., Alverno College, 1961. Speech.
 Sakutaro Takahashi, B.A., Tokyo University, 1965; M.A., Southern Illinois University, 1969. Linguistics.
 Rita Mary Tatar, B.A., Albertus Magnus College, 1968. German.
 Richard James Tobin, B.A., Pennsylvania State University, 1968. Political Science.
 James L. Tungate, B.S., Illinois Wesleyan University, 1969. Speech.
 Toni-jeanne Turner, B.S., Howard University, 1968. Speech.
 Andrew W. Tymowski, B.A., John Carroll University, 1968. Philosophy.
 Rosemary Valentine, B.A., Edgewood College of the Sacred Heart, 1965. Education.
 Ronald Len Varland, B.A., Northwestern University, 1964. Mathematics.
 Sally Ann Wakefield, B.A., College of the Holy Names, 1968. Speech.
 Diane Lee Walden, B.S., University of Cincinnati, 1959. Speech.
 Michael Walker, B.S., London School of Economics, 1969. Geography.
 Virginia Dickenson Walker, B.S., University of Wisconsin, 1966. Speech.
 Thomas Walla, B.S., Xavier University, 1968. Speech.
 Jane Snow Walsh, B.A., Wells College, 1969. English.
 Susan Ann Warren, B.S., Northwestern University, 1968. English.
 Jeffrey Hamilton Wattles, B.A., Stanford University, 1966. Philosophy.
 Judith A. Weidman, B.S., University of Illinois, 1968. Speech.
 David Weinberg, B.A., University of Notre Dame, 1968. Speech.
 Judy Rogat Weiss, B.A., University of Michigan, 1968. Speech.
 Paul Nathaniel West, B.D., Asbury Theological Seminary, 1964. History and Literature of Religions.

ONE HUNDRED AND TWELFTH COMMENCEMENT

William Gordon West, B.A., York University, 1968. Sociology.
 Dawn Thompson Weston, B.S., Northwestern University, 1942. Education.
 Carol Fish Wiedmer, B.S., Murray State University, 1954. Education.
 Carole A. Wilk, B.A., Northwestern University, 1950. Education.
 Julia Bowes Willer, B.A., Niagra University, 1969. English.
 Robert Forest Williams, B.S., Brigham Young University, 1968. Psychology.
 Susan Hantz Wolf, A.B., Indiana University, 1969. Speech.
 Jacqueline R. Wolff, B.S., University of Wisconsin, 1958. Speech.
 Patricia Donham Wray, B.A., University of Minnesota, 1962. Art.
 Evelyn Cullander Wright, B.S., Illinois State College, 1966. Education.
 Joan O. Wright, B.A., Mundelein College, 1966. French.
 Barbara Lynn Young, A.B., University of California, 1960. Education.
 Linda Diehm Zaugg, B.A., College of Wooster, 1969. German.
 Michael Alan Zaugg, B.A., College of Wooster, 1969. German.
 June Zeitler, B.S., University of Wisconsin, 1952. Education.
 Laurie L. Zylman, A.B., Calvin College, 1969. German.

MASTER OF ARTS IN TEACHING

Laura Blackmore Bachman, B.A., Luther College, 1968. Education.
 Pamela Jeanette Bond, B.A., DePauw University, 1969. Education.
 Larry Glenn Bradford, A.B., University of Kansas, 1961. Education.
 Pamela Leigh Cravens, B.A., University of Oklahoma, 1969. Education.
 Elissa Director, B.A., Emory University, 1969. Education.
 Susan Michael Feigenson, B.A., University of Michigan, 1968. Education.
 Rhona Susan Feldman, B.A., George Washington University, 1968. Education.
 Gael Elizabeth Gibney, B.A., Goddard College, 1968. Education.
 Patricia Lutz Grainer, B.A., Northwestern University, 1968. Education.
 Lee Edwin Hanson, B.A., Northwestern University, 1968. Education.
 Marcy Deborah Hart, B.S., Northwestern University, 1968. Education.
 Margaret Ann Huelsenbeck, B.A., Wittenberg University, 1968. Education.
 Dorothea Jane Wilson Iberg, B.A., DePauw University, 1969. Education.
 Elisabeth Rogers Jackson, A.B., Randolph-Macon Woman's College, 1968. Education.
 Rosellen Engstrom Kaplan, B.A., Wellesley College, 1963. Education.
 Janet M. Kellock, B.A., St. Lawrence University, 1969. Education.
 Thomas J. Lamme, B.A., Colgate University, 1969. Education.
 Nancy Helen Larson, B.A., University of Minnesota, 1968. Education.
 Ann Katherine Leatzow, B.A., Principia College, 1969. Education.
 Peter L. Lubs, B.S., Otterbein College, 1969. Education.
 James Allen Manchester, B.A., St. Michael's College, 1969. Education.
 Kathleen Lyons Manchester, B.A., University of San Francisco, 1969. Education.
 Patricia Brink Mayer, B.A., Oberlin College, 1964. Education.
 Lorraine Betty McClain, B.A., University of California, 1969. Education.
 Sue Ann McCuskey, B.A., Northwestern University, 1968. Education.
 Mary Elizabeth Neely, B.A., College of Wooster, 1969. Education.
 Susan Patrice Ohlinger, B.A., Wittenberg University, 1964. Education.
 William Jeffrey Osborne, B.A., St. Lawrence University, 1969. Education.
 Suzanne Alice Plumb, A.B., Goucher College, 1968. Education.
 Jane Ellen Poff, B.A., College of Wooster, 1969. Education.
 Patricia Pollock, B.A., College of Wooster, 1969. Education.
 Helen Rakove, B.A., University of Rochester, 1968. Education.
 Marilyn G. Schnitz, B.A., Simmons College, 1968. Education.
 Judith A. Sparer, B.S., University of Michigan, 1967. Education.
 Paul R. Steffen, B.A., Macalester College, 1967. Education.
 Barbara H. Swissler, B.A., State University of New York at Buffalo, 1969. Education.
 Gary Douglas Taylor, B.A., University of Illinois, 1968. Education.
 Linda Elaine Taylor, B.A., College of Wooster, 1969. Education.
 Thomas H. Wilson, B.A., Wittenberg University, 1969. Education.

NORTHWESTERN UNIVERSITY

MASTER OF SCIENCE

- Anas Mohamed Abozena, B.S., Alexandria University (Egypt), 1969. Electrical Engineering.
- Ian Collyer Maclean Adam, B. Eng., McMaster University, 1968. Transportation.
- Charles Frederick Adams, B.A., Monmouth College, 1964. Biology.
- Gobind P. Agarwal, B.S., Indian Institute of Technology, 1966. Chemical Engineering.
- G. M. Agrawal, B. of Chem. Engr., University of Bombay, 1968. Chemical Engineering.
- Robert Everett Akins, B.S., Northwestern University, 1969. Theoretical and Applied Mechanics.
- Fredrick I. Akiya, B.S., St. Lawrence University, 1967. Physics.
- Karl Eric Anderson, B.S., Purdue University, 1967. Geography.
- Yue-Kong Au, B.S., Wisconsin State University, 1968. Physics.
- Tor Otto Aussen, Eq. of B.S., Technical University of Norway, 1964. Chemical Engineering.
- Eliaë Barzilai, B.S., University of Illinois, 1969. Electrical Engineering.
- George Harwood Bodeen, B.S., Northwestern University, 1948. Materials Science.
- Stanley Darrell Boyer, B.A., North Central College, 1961. Biology.
- F. Robert Brillhart, B.S., Rensselaer Polytechnic Institute, 1958. Industrial Engineering.
- Ronald Eric Carlson, B.S., Northwestern University, 1968. Chemical Engineering.
- Arthur Bruce Carmichael, B.S., University of New Mexico, 1969. Applied Mathematics.
- William Clifford Carr, B.C.E., Georgia Institute of Technology, 1968. Civil Engineering.
- Joan Mitchell Carter, B.S., College of St. Francis, 1968. Biological Sciences.
- Joseph Arthur Cavalier, B.A., B.C.E., University of Delaware, 1967. Civil Engineering.
- Robert Chalice, B.S., University of Wisconsin, 1966. Industrial Engineering.
- Katherine Hoiling Chen, B.S., Purdue University, 1969. Chemistry.
- Carol So Chow, B.S., University of Hong Kong, 1967. Chemistry.
- Steven Clarkson, B.S., St. Dunstan's University, 1968. Chemistry.
- Allan Harvey Cohen, B.A., SUNY at Buffalo, 1968. Chemistry.
- Robert Owen Cooley, D.D.S., Northwestern University Dental School, 1956. Dental.
- Gerald Lester Courtney, B.S., University of Santa Clara, 1968. Civil Engineering.
- J. D. Darji, B. Ch.E., University of Bombay, 1966. Chemical Engineering.
- Omar Lloyd Davies, B.A., University of the West Indies, 1968. Geography.
- Edward Arnold Davis, B.S., Michigan State University, 1968. Electrical Engineering.
- Akira Doi, B.S., Kyoto University (Japan), 1967. Materials Science.
- Robert C. Dorr, B.S., Milwaukee School of Engineering, 1968. Electrical Engineering.
- Steven Leiby Driever, B.A., University of Virginia, 1969. Geography.
- John Edward Ettlie, B.S., Northwestern University, 1968. Industrial Engineering.
- David Ira Falk, B.A., Pennsylvania State University, 1968. Psychology.
- Rinaldo Favout, B.S., Pennsylvania State University, 1962. Civil Engineering.
- Allan Campbell Fisher, B.A., St. Lawrence University, 1965. Transportation.
- Michael T. Gallagher, B.S., University of Houston, 1966. Civil Engineering.
- Jerald Gers, B.S., Washington University, 1969. Civil Engineering.
- Patrick Arthur Gibson, B.S., Oakland University, 1968. Civil Engineering.
- Ronald Gould, B.S., Newark College of Engineering, 1967. Electrical Engineering.
- Alfred Joseph Gray, Jr., B.A., State University of New York, 1969. Chemistry.
- Gary Charles Guenther, B.S., Northwestern University, 1967. Physics.
- Alfred Herman Harf, B.S., Newark College of Engineering, 1968. Civil Engineering.
- I. Servet Harunoglu, B.S., Robert College (Istanbul), 1968. Electrical Engineering.
- Joy Nichols Heckathorn, B.A., Northwestern University, 1968. Astronomy.
- Carl Craig Hedberg, B.S., Brown University, 1968. Civil Engineering.
- John Albert Heisey, Ph.D., Northwestern University, 1967. Psychology.
- Tommie Ann Hill, B.A., Emory University, 1969. Mathematics.
- Paul Shin Ho, B.S., College of Chang-Yuan, 1963; M.S., Northern Illinois University, 1968. Physics.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Thomas J. Holland, B.E., National University of Ireland, 1965. Civil Engineering.
 Edwin Andrew Hudson-Phillips, B.A., Cambridge University, 1964. Civil Engineering.
 Ededet Akpan Iniama, B.A., University of Ife (Nigeria), 1965. Geography.
 David A. Isleb, B.S., University of Wisconsin, 1967. Transportation.
 Arnold Fred Jacobson, B.S., University of Illinois, 1967. Civil Engineering.
 Edward M. Jahn, B.Eng., McGill University, 1965. Civil Engineering.
 Michael Evert Johnson, B.S., University of Wyoming, 1968. Physics.
 John Richard Kane, B.S., University of Pittsburgh, 1968. Electrical Engineering.
 Chakravarthi Karuturi, B.S., Indian Institute of Technology (India), 1968. Mechanical Engineering and Astronautical Sciences.
 Howard A. Kerr, B.S., Illinois Institute of Technology, 1964. Electrical Engineering.
 Mark O. Kestner, B.S., Carnegie-Mellon University, 1969. Chemistry.
 Roger A. Ketcham, B.E., City College of New York, 1966. Civil Engineering.
 James Edward Killen, B.A., Trinity College (Dublin), 1969. Geography.
 Hye J. Kim, B.S., Seoul National University, 1965. Biochemistry.
 Orion E. Kline, B.S., Northwestern University, 1965. Industrial Engineering and Management Sciences.
 Angela Chi Mai Ko, B.A., University of Hong Kong, 1965. Geography.
 Lawrence Kurtz, B.E., The Cooper Union, 1968. Civil Engineering.
 Ming-shyong Lee, B.S., National Taiwan University, 1962. Civil Engineering.
 Jeffrey Charles Lew, B.S., The Cooper Union, 1968. Chemical Engineering.
 Robert Lemcke Lindsay, B.S., Northwestern University, 1967. Electrical Engineering.
 George Peter Lozos, B.S., Carnegie-Mellon University, 1968. Chemistry.
 Gilbert C. Lubcke, B.S., University of Wisconsin, 1969. Astronomy.
 Susan Mabrey, B.A., Connecticut College for Women, 1968. Chemistry.
 Daniel Nissim Manheim, B.E., The Cooper Union, 1968. Civil Engineering.
 Linda Haynes Marchant, B.S., Emory University, 1968. Chemistry.
 Albert J. Marino, B.S., Carnegie-Mellon University, 1965. Physics.
 Houshang Mazaheri, Eq. of B.S., Tehran University, 1957. Business.
 Charles R. McClenahan, B.S., New Mexico State University, 1969. Physics.
 Max Paul McDaniel, B.A., Southern Illinois University, 1969. Chemistry.
 John Stevens McGuire, D.D.S., Northwestern University, 1966. Dental.
 Michael David Miller, B.A., Queens College of New York City, 1967; M.A., 1968. Physics.
 Jerome Elvin Mohs, B.S., D.D.S., University of Minnesota, 1965, 1967. Dental.
 Robert E. Mullen, A.B., Princeton University, 1965. Nuclear Engineering.
 Gabriela Muller, B.A., University of California, 1967. Chemistry.
 Sakie Kiyosuke Nakamura, B.S., Kumamoto University (Japan), 1959. Pathology.
 James Joseph Napoli, B.S., Ohio State University, 1968. Chemistry.
 James E. Oberg, B.A., Ohio Wesleyan University, 1966. Applied Mathematics.
 Daniel James Old, B.S., University of Manitoba, 1967. Geography.
 Michael J. O'Rourke, B.S., Illinois Institute of Technology, 1968. Civil Engineering.
 Abraham Hirsh Parola, B.A., Bar-Ilan University, 1968. Chemistry.
 Giovanni Pasqualigo, Eq. of B.S., Politecnico di Milano, 1960. Electrical Engineering.
 Donald Kenneth Patton, B.S., Merchant Marine Academy, 1953. Transportation.
 Shu-Tzu Lin Peng, B.S. Cheng Kung University, 1968. Chemistry.
 Elaine Joan Peters, B.A., Northwestern University, 1968. Biological Sciences.
 Robert Francis Phalen, B.A., University of Illinois, 1968. Transportation.
 John Stephen Pipkin, B.A., M.A., University of Sheffield (England), 1968, 1969. Geography.
 Donald Wayne Prather, B.S., Kansas State University, 1968. Electrical Engineering.
 Heracilio Ramón Prieto, B.S., Gonzaga University, 1967. Chemical Engineering.
 Gerard Joseph Putz, B.S., St. Norbert College, 1967. Chemistry.
 Sheldon Rabin, B.S., Northwestern University, 1964. Materials Science.
 Guillermo Ramírez, B.S., Universidad Nacional Autonoma de Mexico, 1967. Electrical Engineering.
 Carl Erich Rathmann, B.S., Northwestern University, 1968. Mechanical Engineering.

NORTHWESTERN UNIVERSITY

- Gary Robert Reich, B.A., Kenyon College, 1968. Physics.
 Christine Ruth Riddiough, B.A., Carleton, 1968. Astronomy.
 Frederick J. Roland, B.S., City College of New York, 1962. Civil Engineering.
 Robert A. M. Schmidt, B.S., Boston College, 1968. Physics.
 Barry Stephen Schrager, B.S., University of Illinois, 1968. Applied Mathematics.
 Steven L. Schulman, B.S., Syracuse University, 1968. Chemistry.
 Mary Leonore Schulz, B.S., De Paul University, 1966. Mathematics.
 Robert Kurt Seyfried, B.S., Northwestern University, 1968. Civil Engineering.
 Dinesh Kumar Shetty, B.S., Indian Institute of Technology (Madras), 1968. Materials Science.
 Linda Jane Shulenberger, B.A., Cedar Crest College, 1968. Biological Sciences.
 Donald Lee Singleton, B.S., University of California, 1966. Chemistry.
 John Thomas Slankas, B.S., University of Notre Dame, 1968. Chemical Engineering.
 Jean Gibb Smith, B.S., Rollins College, 1966. Biological Sciences.
 Louis William Smith, Jr., B.A., Carthage College, 1967. Applied Mathematics.
 Sharyn Jacob Smith, B.A., Lawrence University, 1966. Biochemistry.
 William Richard Snyder, B.A., Hamline University, 1969. Chemistry.
 Thomas J. Sparrow, B.A., Ohio Wesleyan University, 1965. Applied Mathematics.
 Paul F. Sroka, B.S., University of Notre Dame, 1966. Biological Sciences.
 Newton Kingman Stablein III, B.A., Georgetown University, 1966. Geology.
 Ann Leslie Stanford, B.S., Duke University, 1968. Chemistry.
 Steven R. Stav, B.S., Montana State University, 1967. Electrical Engineering.
 William G. Steinhauer, B.A., Lake Forest College, 1968. Chemistry.
 Ronald J. Stern, B.E., The Cooper Union, 1967. Industrial Engineering.
 Duane Ernest Stout, B.S., Iowa State University, 1969. Chemistry.
 Peter Steven Straus, B.S., New York University, 1967. Civil Engineering.
 James Barton Thies, B.S., Northwestern University, 1967. Business.
 Charles Stewart Thomas, D.D.S., Northwestern University, 1964. Dental.
 Mary Eloise Topp, B.S., University of Michigan, 1967. Civil Engineering.
 Veronica vanHeyningen, B.A., Cambridge University, 1968. Biological Science.
 James Justin Verunac, D.D.S., Northwestern University, 1958. Dental.
 Ronald George Watson, B.S., University of Illinois, 1968. Mechanical Engineering and Astronautical Science.
 Sheldon Majer Wecker, B.S., Oakland University, 1967. Materials Science.
 Loren Lowell Weinbrenner, B.S., University of Notre Dame, 1966. Civil Engineering.
 Howard Andes Weine, Ph.B., Northwestern University, 1965. Mathematics.
 Wayne Daryl White, A.B., University of Rochester, 1968. Physics.
 William L. Wilshire, B.S., West Virginia University, 1966. Civil Engineering.
 David Porter Winchester, B.A., Northwestern University, 1959; M.D., 1963. Surgery.
 Barry F. Winkler, B.S., The Cooper Union, 1968. Chemical Engineering.
 Donald Joseph Woods, B.S., Fordham University, 1968. Psychology.
 Richard Bengt Wray, B.S., Rensselaer Polytechnic Institute, 1968. Applied Mathematics.
 John Henry Wronkiewicz, B.A., University of Illinois, 1967. Civil Engineering.
 Hsiang-chun Yen, B.S., Tunghai University, 1967. Industrial Engineering.
 Stephen Michael Zavoluk, B.Ch.E., The Cooper Union, 1968. Chemical Engineering.
 Justin Allen Zivin, B.S., Northwestern University, 1967. Physiology.



THE DIPLOMAS

THE COLLEGE OF ARTS AND SCIENCES

Candidates presented by DEAN ROBERT H. STROTZ

DIPLOMA IN ARTS AND SCIENCES

Alfreda Wilson Enggas
Eileen Gregory
Minerva Curtis Hart

Bernice Lutke
Dominick Joseph Palella
James Harrison Petru

THE SCHOOL OF DENTISTRY

Candidates presented by DEAN GEORGE W. TEUSCHER

DIPLOMA AS DENTAL HYGIENIST

Kristine Diane Alzeno
Phyllis Ann Bargren
Linda Sue Bernstein
Beverley Ann Blatt
Margaret Mary Boss
Susan Marie Donahue
Nora Ellen Evans
Joanne Mary Firehammer
Cheryl Ann Gustitus
Jancen Hall
Kathleen Elizabeth Halstead
Karen Elizabeth Houser
Linda Mary Hullison
Linda Lee Jesch

Elaine Claire Krencis
Lotti Maibach
Donna Jean Mayeda
Daryl Sharon Miller
Mariann J. Minicucci
Frances Rita Novak
Donna JoAnne Ryan
Doris Jean Silver
Helianthe Stevig
Geeske Cornelia Whitehouse
Carol Ann Visnesky
Linda Suzanne Yuenger
Christine Louise Ziehm

THE SCHOOL OF BUSINESS

Candidates presented by DEAN JOHN A. BARR

DIPLOMA IN BUSINESS

Robert Wayne Aeschliman
Russell Frank Anderberg III
Ronald Ramon Bell
Henry Charles Cheney
Walter Joseph Cisowski
Wesley George Clifton
Ronald Edmund Cody
Richard Carl Gehrke
Richard Arthur Hoenecke
William Charles Holmeide
Martin Albert Kurtyka

Edward Donald McMahon
Joseph Patrick Nugent
Thomas Joseph Oslovich
Theodore Daniel Perkovich
Stanley James Sharman, Jr.
Richard John Tempestini
John Jacob Trotta
Charles Andrew Ullmann
Chandler Thomas Winkless, Jr.
Norris Wilber Woldy

ONE HUNDRED AND TWELFTH COMMENCEMENT

DIPLOMA IN PROFESSIONAL ACCOUNTING

Richard Wesley Bremer
Donald Edward Burgess
Richard Earl Fernisse
John Royl Fischer
James Herman Garbrecht

Efraim Hadassy
Dee Romaine Lawrence
Daniel Leonard Losik
Ralph Henry Scherer
James Edward Shannon, Sr.

CHICAGO WESLEY MEMORIAL HOSPITAL SCHOOL OF NURSING

Candidates presented by DIRECTOR VERA E. THOMPSON

DIPLOMA AS GRADUATE NURSE

Andrea Carole Baird
Linda Louise Bauer
Beverly Anne Beveridge
Patricia Angela Brennan
Diane Ledger Burdeen
Kathleen Burns
Kathryn Mildred Charvat
Judith Ann Ciszewski
Patricia Lynne Clay
Mary Beth Cook
Leslie Ann Cox
Elaine Carol Drozd
Leann Esther Dubbert
Martha Aileen Ayres Garcia
Anita Paul Harrison
Claudia Catherine Jacob
Susan Beth Johnson
Judy Carol Kreutzburg
Donna Eileen Kueker
Linda Kay Laird
Diane Lucille Reece Lohse
Mona Elizabeth Lunke
Sharon Lee Mahood
Doreen Joy Marshall

Kathleen Ann McAfee
Kathy Lynn Miller
Barbara Alice Millette
Mary Kathryn Monteith
Judith Lynne Nagel
Sharon Kay Nisius
Kathy Ann Noak
Carolyn Sue Osborne
Deborah Ann Patterson
Karen Dianne Peterson
Gina Beryl Pugliese
Patricia Diane Richardson
Linda Ann Schroeder
Deborah Gail Shelby
Sandra Jean Stark
Julia Irene Straub
Mary Lee Thornton
Nancy Jeanne Tonelli
Sandra Villalaz
Christine Rae Ward
Mona Fay Wheeler
Janice Marie Zettek
Barbara Jean Zink

THE TRAFFIC INSTITUTE

Candidates presented by DIRECTOR JAMES M. SLAVIN

DIPLOMA IN TRAFFIC POLICE ADMINISTRATION

Leslie L. Austin
Edward W. Bloom
Ralph P. Boostrom
James E. Champagne
Roy B. Cheatham
Charles F. Christensen
Lawrence F. Clark, Jr.
James J. Cockerill

Wilbert C. DeGuire
Michael H. Delaney
Ralph G. Engle
Robert L. Erhart
Richard J. Fitzgerald
Wendell O. Frazier
Joseph A. Gunn
Maurice C. Harvey

NORTHWESTERN UNIVERSITY

Richard R. Horn
Colonel J. Hunter
Bobby L. Jones
Jack M. Jones
John R. Kaiser
David J. Kelly
Robert G. Kornegay
Darrell C. Lanham
Linwood Lewis
Eugene J. Martin
George W. McDanell
Robert E. McKinney
William J. Meade
Ronald J. Miller
Edward J. Minahan
Leander S. Nevin
James T. Nolan
John J. Nolan
Clarence H. Olson
William H. Peters

Tran Van Qui
Kenneth D. Rearden
Richard R. Reid
Raymond Risley
Kenneth W. Rogers
Hector I. Rosas
H. Calvin Rosema
David L. Schram
Warren L. Shaffer
David W. Sheehan
Ruangsakdi Siurai
Charles Smith
Daniel A. Spang
Donald F. Steele
David D. Sturtz
Jack Trigg
Raymond P. Visconti
John H. Walsh
Charles D. Whitehead

DEGREES GRANTED

since June 1969

Academic Year 1969-70

MASTER OF LAWS

Richard H. Benveniste, LL.B., Columbia Law School, 1967.
Lionello Cappelli-Perciballi, Degree in Law, Universita Studi, Rome (Italy), 1963.
Frank C. Carrington, Jr., LL.B., University of Michigan, 1960.
Raymond Edward Moses, LL.B., University of Texas, 1965.
Thomas B. Kirkpatrick, J.D., University of Illinois, 1966.

June 14, 1969

Harvey Leonard Ziff, LL.B., Stanford University, 1967.

JURIS DOCTOR

Donald Joseph Brncic	Thomas Geraghty III
Martin Koppel Denis	*Robert Todd Viereg
Charles David Frey	

DOCTOR OF DENTAL SURGERY

Lee Frederick Arnold	George Lane Keleher
Ernest D. Bennett	Donald J. Luellen
Ronald S. N. Chang	Nicholas J. Rowell
Roger C. DeVoe	John Norman Shafer
James Edward Hanson, Jr.	Arthur Nagao Yamasaki

MASTER OF SCIENCE IN JOURNALISM

Robert Leonard Gillen, B.A., College of St. Thomas, 1968.
Linda Lee Stahl, B.S.J., Northwestern University, 1968.
Frieda Elaine Williamson, B.A., Spelman College, 1966.

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Robert Burton James, Jr.

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

William Alan Fitzsimmons Peter Andre Kroes, Jr.

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Stephen Vincent Vedo, Jr.

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Susan Kalmer

BACHELOR OF SCIENCE IN SCIENCE ENGINEERING

Frank George Steinmetz

*Cum laude

NORTHWESTERN UNIVERSITY

Summer Session 1969

BACHELOR OF ARTS

Susan Jeanne Ball	Catherine Keyes Michael
Steven Michael Becker	Harriet Zucker Monaco
William Curtis Brown	Caroline Mayo Parke
Madelyn Ann Davidiak	Cheryl Goat Price
Murray Hautau Dawson	Isabelle McMurray Pullis
Margaret Lewis Marshall Duer	Susan Diane Roncaglione
Jane Edwards	Timothy Jan Snider
Dennis Harry Gardino	Stanley David Snyder
Michael Goldberg	Paul Richard Sohmer
Charles David Grauer	Hans Dietrich Spiecker
Frederique Ingrid Hartog	Steven Michael Stone
William Herndon Honaker III	Arlyne Grace Thompson
Susan Kay Horn	Loren Russell Venable
Robert Emmett Kelly, Jr.	Lawrence Cabell Vogel
Deborah Fitzgerald Kenshur	Anita Susan Weintraub
Laurene Kreer	Leslie Bradburn Witwer
Aileen Mew-lan Lum	Edgar Lowell Yee
Heather Jeanne McTavish	

JURIS DOCTOR

Stephen Michael Marx	Thomas Thorton Sweeney
Lynn Gaunt Morehaus	

BACHELOR OF SCIENCE IN SPEECH

Judith Mary Alford	Karen Ann Mickelson
Katherine von Tour Basler	John Howard Petroshius
Harry William Alfred	Charles Edward Scheutzwow
Chalberg, Jr.	Elizabeth Rose Seldin
Claire Ellen Henry	Donna Lynn Stricof
Jamie Smith Jackson	Brenton Neil Ver Ploeg
Kathleen Violet Johnson	Marlea Welton

MASTER OF MUSIC

James Calvin Best, B.S., State University of New York, 1964.
 Joyce Ann Bradshaw, B.M., Oklahoma City University, 1965.
 Vergene Jenkins Colloms, A.B., McKendric College, 1944.
 Marian Bard Corbett, A.B., Sarah Lawrence College, 1937.
 Thurman Owen Douglass, B.M., University of the Pacific, 1962.
 Nell Thurman Engelstad, B.M., Hardin-Simmons University, 1965.
 Danny Wayne Felty, B.M.E., Northwestern University, 1965.
 Amelia Wenrich Funk, B.M.E., Northwestern University, 1952.
 Barbara Ann Haas, B.A., San Fernando Valley State College, 1968.
 Yasu'to Segawa Joicki, B.A., Doshisha Women's College, 1968.
 Paul Emil Kanzer, B.M.E., Northwestern University, 1968.
 Sister Janet Keck, O.S.F., B.M., Alverno College, 1965.
 Vincent Dennis Kettl, B.M.E., Colorado State College, 1964.
 Karl James Krueger, B.M.E., Wisconsin State College, 1965.
 Sister Marilyn Jean Kuhn, O.P., B.M.E., Rosary College, 1951.
 Anne Beth Lawrenz, B.M., Michigan State University, 1967.
 Carmen Louise Leerstang, B.M., Oklahoma City University, 1968.
 Sister Mary Patrick Logsdon, B.A., Mount Mary College, 1963.
 Joseph Carol Maielli, B.M.E., Northwestern University, 1966.
 Sister Mary Katherine Maloney, F.S.P.A., B.M., Viterbo College, 1946.

ONE HUNDRED AND TWELFTH COMMENCEMENT

Vicki Beck Martin, B.M., Northwestern University, 1968.
Mary Jane Mayne, B.M., Western Michigan University, 1968.
Edith Hays Myers, B.M.E., Northwestern University, 1965.
Kimiko Noguchi, B.A., Tokyo University of the Arts, 1965.
Sidney Joy Ratliff, B.M., South Eastern Louisiana College.
Mary Olsen Reis, B.M., Northwestern University, 1953.
June La Rocca Revi, B.M., Northwestern University, 1962.
Penelope Camille Rostad, B.S., Skidmore College, 1968.
Ruth Schus-Schneider, Diploma, Academy of Music in Tel-Aviv (Israel), 1960.
Ether David Gee Smith, B.A., Fresno State College, 1964.
Andrew Alva Stahl, B.M.E., American Conservatory of Music, 1956.
Linda Lou Stewart, B.M., University of Kentucky, 1968.
Jo Ann Ferguson Taube, B.M.E., Ouachita Baptist College, 1963.
Isabel King-Faan Wong, B.M.E., Westminster Choir College, 1963.
Frank Joseph Yonke, Jr., B.M.E., Evangel College, 1964.

BACHELOR OF MUSIC

William Richard Jones

David Michael Miotke

BACHELOR OF MUSIC EDUCATION

Jay Morris Bartley

Andrea Elsa Tatera

MASTER OF BUSINESS ADMINISTRATION

Stephen Alan Barowsky, B.A., Bucknell University, 1967.
Robert Stephen Cheheyl, Jr., B.A., Dartmouth College, 1967.
Charles Nicholas Colucci, Jr., A.B., Cornell University, 1967.
Charles Thomas Curry, B.S., University of Kansas, 1967.
John Carl Gorby, B.S., Northwestern University, 1967.
David Butler Hindman, B.A., Denison University, 1967.
Gerald Jay Levin, B.S., University of Wisconsin, 1967.
Edgar Robert Levine, B.S., Union College, 1967.
James Arthur McDaniel, Jr., B.A., Northwestern University, 1967.
Thomas Patrick McDonald, B.A., Lake Forest College, 1967.
James Patrick Murray, B.A., University of Notre Dame, 1963.
Paul Ashbrooke Pittsford, B.A., DePauw University, 1959.
Philip Louis Sbarbaro, B.S., College of the Holy Cross, 1967.
Thomas Evans Schwarten, A.B., University of Michigan, 1967.
Michael Norman Stavy, A.B., University of Illinois, 1968.
Warwick Rowland Tobias, B.S. Chem. E., Iowa State University, 1963.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Herman Shelby Cage
Jean Kantor Clarfeld

Jay Macomber Haerberle
William Robert Monteith

BACHELOR OF BUSINESS ADMINISTRATION

Frederick Bruce Brockie
Marvin Lee Carlson
George Edward Emerson
John Christopher Erwin
James Theodore Fall
John Lennox Kirkwood
Ramon Raymundo Martinez, Jr.

Robert James Miller
Blanche Elburna Morsch
Charles Ott Munson, Jr.
Rita Lenore Thomson
Raymond James Waver
Albert Gerard Weiland, Jr.

NORTHWESTERN UNIVERSITY

BACHELOR OF SCIENCE IN JOURNALISM

Lorena Mei Lin Akioka
Charles Blair Cleveland
Candace Anne Hennekens
John Joseph Hoh

Robert Van Wormer Ladd
Cynthia Kandelman Tivers
Marsha Mark Wiegold

BACHELOR OF SCIENCE IN EDUCATION

Naomi Whitley Biggs
Anna Palestine Cahan
Karen Kessler David

Hans Leissoo
Ina Schwartz Sherman
Sandra Miller Topel

THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

- Robert Allen Abrams, B.S., Massachusetts Institute of Technology, 1961. Applied Mathematics. *Nonlinear Programming in Complex Space*.
- Joseph Babalola Adayeri, B.C.E., New York University, 1964; M.C.E., Rensselaer Polytechnic Institute, 1966. Civil Engineering. *Multiple Integral Description of the Viscoelastic Response of Cohesive Soils*.
- Barbara Alexander, B.S., Louisiana State University, 1964; M.S., 1966. Biological Sciences. *The Synthesis and Effects of Pineal Gland 5-Methoxyindoles in Relation to Sexual Maturation in the Japanese Quail, Coturnix coturnix japonica*.
- Clayton Walter Anderson, B.S., DePaul University, 1947; M.S. in Ed., Indiana University 1950; M.B.A., University of Chicago, 1950. Business. *An Examination of the Historical and Theoretical Foundations of Local Government Accounting*.
- Alice Barrieux, Eq. of B.S., University of Paris, 1956; M.S., Northwestern University, 1967. Pharmacology. *On the Role of Adenosinetriphosphate in the Binding of Sodium to a Magnesium-dependent, Sodium and Potassium Sensitive Adenosinetriphosphate Preparation from Guinea Pig Kidney Cortex*.
- John David Benjamin, Jr., B.A., American International College, 1961; M.A., Tufts University, 1964. Speech. *A Stylistic Analysis of the Comedies of William Congreve*.
- Allan Richard Bishop, A.B., Calvin College, 1958; M.A., Northwestern University, 1962. English. *John Campbell Shairp: A Study of His Early Life, with Annotated List of His Correspondence and Primary Bibliography*.
- Wayne Loren Bockelman, B.A., Ohio University, 1960; M.A., Northwestern University, 1962. History. *Continuity and Change in Revolutionary Pennsylvania: A Study of County Government and Officeholders*.
- Richard Merle Boyer, B.S., University of Oklahoma, 1958; S.T.B., Wesley Theological Seminary, 1963; S.T.M., 1965. Religion. *Sudden Human Change*.
- Stanley Monty Brown, B.A., Queens College, 1964. Chemistry. *Migration and Ring Expansion During the Dehydration of Alcohols over Alumina*.
- William Clough Brown, B.S., University of Miami, 1965. Mathematics. *Strong Inertial Coefficient Rings*.
- Nancy K. Byram, B.A., North Park College, 1965; M.A., Northwestern University, 1967. Psychology. *The Influence of Temporary States on Personality Traits*.
- Karen Andrea Carlson, A.B., Gustavus Adolphus College, 1961; M.A., University of Illinois, 1962. Speech. *The Kenya Wildlife Conservation Campaign: A Descriptive and Critical Study of Inter-Cultural Persuasion*.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Merle W. Carlson, B.A., University of Minnesota, 1964. Chemistry. *Mechanisms for the Favorskii Rearrangement and the Formation of α -Alkoxy Ketones.*
- James Lee Carpenter, M.A., University of Chicago, 1957. Education. *Accreditation Evaluation and Institutional Change: A Study of the Implementation of Recommendation in Selected North Central Association Secondary Schools.*
- W. Dennis Carroll, B.A., Sydney University (Australia), 1962; M.A., 1966; M.F.A., University of Hawaii, 1965. Speech. *Innovation and Experiment in the Australian Theatre Since 1915.*
- Bernard Andrew Coyle, B.Sc., University of Auckland (Australia), 1955; M.Sc., 1956. Chemistry. *The Structures of Three Inorganic Complexes.*
- Maureen S. Crandall, A.B., Smith College, 1962. Economics. *Monetary Instrument Variables as Regressors in Expenditure Functions.*
- Charles C. Dapples, B.S., Rocky Mountain College, 1966. Biological Sciences. *The Development of the Nucleoli of Nurse Cells of Wild Type and Mutant Egg Chambers of Drosophila melanogaster.*
- Stephen Ward Downing, B.A., College of Wooster, 1965. Biological Sciences. *Cytological Aspects of Lamprey Epidermis.*
- Roger William Ehrich, B.S., University of Rochester, 1965; M.S., Northwestern University, 1967. Electrical Engineering. *2-Way Sequential Transducers and Stack Automata.*
- Anita Clair Fellman, A.B., Oberlin College, 1964; M.A., University of Michigan, 1965. History. *The Fearsome Necessity: Nineteenth Century British and American Strike Novels.*
- John Harold Flodstrom, A.B., Loyola University, 1958; M.A., Northwestern University, 1962. Philosophy. *The Experience of the Self in the Philosophy of Maine de Biran.*
- Alan Gary Galsky, B.S., Roosevelt University, 1964; M.S., Northwestern University, 1967. Biological Sciences. *Studies on Gibberellin Production by Agrobacterium sp. and on the Generalized Mechanism of Gibberellin Action on Barley Endosperm.*
- Thomas V. Getchell, B.A., Gannon College, 1963; M.S., Villanova University, 1966. Biological Sciences. *A Functional Characterization of the Olfactory Receptor Cell Membrane.*
- William B. Gill, Jr., A.B., Indiana University, 1953; M.D., 1956. Biochemistry. *Steroid Sulfate Metabolism in the Testis and the Prostate of the Rat.*
- James Royce Ginn, B.S., Texas A. and M. University, 1961; M.S., 1963. Civil Engineering. *Transportation Considerations in an Individual's Activity System.*
- Larry Alan Goldberg, A.B., University of Chicago, 1962; M.A., Indiana University, 1965. English. *The Role of the Female in the Drama of Lyly, Greene, Kyd, and Marlowe.*
- Helen Kennedy Grace, B.S.N., Loyola University, 1963; M.S., University of Illinois, 1965. Sociology. *Role Creation and the Emergence of Structure in a Psychiatric Setting.*
- William James Gracie, Jr., B.A., San Francisco State College, 1965; M.A., Northwestern University, 1966. English. *Father-Son Conflict in Selected Victorian Autobiographies and Autobiographical Novels.*
- Karl E. Gwiasda, B.S., Illinois Institute of Technology, 1959; B.A., Butler University, 1964; M.A., Northwestern University, 1966. English. *The Boswell Biographers: A Study of "Life and Letters" Writing in the Victorian Period.*
- Paul David Hambourger, B.A., Harvard University, 1962. Physics. *Size-Dependent Oscillatory Magnetoresistance in Cadmium.*
- Michael Zeev Hanani, B.Sc., Israel Institute of Technology, 1962. Applied Mathematics. *A Contribution to the Field of Formula Manipulation.*
- Werner M. Hauger, Eq. of M.S., University of Karlsruhe (Germany), 1966. Civil Engineering. *Dynamics of Compressible Structures Subjected to Nonconservative Forces.*
- John Benjamin Hawkins, B.S., Georgia Institute of Technology, 1965; M.S., 1966. Applied Mathematics. *Galerkin's Method for Nonlinear Boundary Value Problems.*
- Noreen L. Hayes, B.A., Ursuline College, 1963; M.A., University of Louisville, 1964. English. *Some Implications of Milton's Philosophy of History.*

NORTHWESTERN UNIVERSITY

- William R. Heftel, B.S., University of Illinois, 1964; M.S., Northwestern University, 1965. Chemistry. *Characterization of the Primary Photochemical Apparatus of Green Plants.*
- Carl Sanfrid Helrich, Jr., B.S., Case Institute of Technology, 1963. Mechanical Engineering. *Energy Transfer Mechanisms in a Plasma.*
- Daryll Dwayne Hersemann, B.S., University of Illinois, 1962; M.A., Northwestern University, 1965. Education. *A College Environment as Perceived by Campus Subcultures and the Student Personnel Staff.*
- Regina E. Holloman, B.A., The Ohio State University, 1953; M.A., Northwestern University, 1956; M.A., 1967. Anthropology. *Developmental Change in San Blas.*
- Kevin Arthur Houlihan, B.S., Loyola University, 1964; M.S., Northwestern University, 1967. Psychology. *The Treatment of Public Speaking Anxiety by Verbal Learning Therapy.*
- B. Imegwu Chukwumah Ijomah, B.A., University of Nigeria, 1963; M.A., Northwestern University, 1967. Sociology. *Nationalism and Socio-Political Integration: A Nigerian Situation.*
- Thomas Allen Jones, B.S., Colorado State University, 1964; M.A., 1967. Geology. *A Comparison of Estimators of Sediment Grain-size Distributions.*
- Thomas George Kabele, B.A., Northwestern University, 1965. Mathematics. *Regularity Conditions in Non-Noetherian Local Rings.*
- Stephen Louis Karpf, A.B., University of Chicago, 1962; M.A.C., University of Pennsylvania, 1964. Speech. *The Gangster Film: Emergence, Variation, and Decay of a Genre, 1930-1940.*
- Masaru Kobayashi, B.S., Keio University (Japan), 1964; M.S., 1966; M.S., Northwestern University, 1967. Chemical Engineering. *Pulsed Bed Approach to Fluidization.*
- Gary F. Koeske, B.S., University of Wisconsin, 1964; M.A., Northwestern University, 1967. Psychology. *Alterations in Beliefs, Attitudes, and Perceptions in the Resolution of Source-Message and Message-Message Incongruities.*
- Nii Amon Kotei, B.A., University of Ghana, 1954; M.A., Northwestern University, 1966. Linguistics. *A Description of Modern Spoken Ga with Particular Reference to Tone and Intonation.*
- George Andrew Kourvetaris, B.S., Loyola University, 1963; M.A., Roosevelt University, 1965. Sociology. *The Contemporary Army Officer Corps in Greece: An Inquiry into its Professionalism and Interventionism.*
- Guy Michel Lafon, Eq. of B.S., Ecole Nationale Supérieure des Mines (Paris), 1964; M.Sc., University of Alberta, 1965. Geology. *Some Quantitative Aspects of the Chemical Evolution of the Oceans.*
- William J. Langan, B.A., University of Notre Dame, 1965; M.A., Northwestern University, 1967. Philosophy. *An Existential Analysis of Saint John of the Cross.*
- Neal Richard Langerman, B.A., Franklin and Marshall College, 1965. Chemistry. *Free Energy of Subunit Interactions: Hemerythrin.*
- Robert Thomas Lentz, B.M.E., University of Detroit, 1964. Mechanical Engineering. *Dispersion Relations for Fiber-Reinforced Media.*
- Marshall Lee Lind, B.S., University of Wisconsin, 1958; M.Ed., University of Montana, 1965. Education. *Relationships Between Work Attitudes, Perceived Needs Structures, and Types of Job Settings for Bureau of Indian Affairs Teachers in Alaska.*
- Lawrence L. Mack, A.B., Middlebury College, 1965. Chemistry. *Molecular Beams of Macroions.*
- Mary Alice Mayer, B.A., Clarke College, 1962; M.S., University of Illinois, 1963. Speech. *An Historical Study of the Issues and Policies Related to the Educational Application and Utilization of Community Antenna Television Inclusive of 1949, and Exclusive of 1969.*
- Marjorie B. McElroy, B.A., Pennsylvania State University, 1965. Economics. *Household Expenditure Patterns in Rural South Vietnam.*
- Richard A. McGarrity, B.Sc., St. Francis Xavier University (Canada), 1952; M.B.A., Marquette University, 1959; Ph.L., St. Louis University, 1964. Business. *An Application of Space Transformation in Evaluating the Urban Location Pattern of a Multi-Unit Retail Firm.*
- Charles Joseph Metelka, B.S., Loyola University, 1964; M.A., University of Hawaii, 1967. Sociology. *Away From It All: A Content Analysis of Vacation Travel Advertising.*

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Paul Scott Miller, B.A., State University of New York at Buffalo, 1965. Chemistry. *Development and Use of New Nucleoside Protecting Groups in Oligodeoxyribonucleotide Syntheses By the Phosphotriester Method.*
- Albert Eugene Mitch, B.S., Northwestern University, 1947; M.A., California State College, 1958. Speech. *A Study of Three British Dramas Depicting the Conquest of Peru.*
- Donald Keith Moely, B.S., University of Wisconsin, 1963; M.M., Northwestern University, 1967. Music. *A Study of Music Programs of the Wisconsin Public Schools.*
- Charles Guy Moore, B.A., Lehigh University, 1962; M.A., Northwestern University, 1968. Economics. *An Econometric Evaluation of State Electric Regulation Using a Measure of Regulatory Input.*
- John Charles Moorhouse, A.B., Wabash College, 1965. Economics. *Optimal Housing Maintenance Under Rent Control.*
- Joel Morkan, A.B., Fordham College, 1964; M.A., Northwestern University, 1966. English. *An Examination of Satiric Elements in the Early Work of John Milton.*
- Robert Gene Moultrie, B.S., Western Illinois University, 1958; M.S., 1959. Education. *The Use of Support Personnel for Elementary School Counselors.*
- Alice Kishiye Murata, B.S., University of Illinois, 1962; M.A., Northwestern University, 1963. Education. *Attitude Differences and Change During a Counseling Practicum in Graduate Students Preparing for Work at Different Educational Levels.*
- Lyle A. Murley, B.A., St. Olaf College, 1959; M.A., University of Chicago, 1962. English. *Varieties of Manner in the English Lyrics of John Milton: A Critical Study.*
- Susan Nechine Nathanson, B.S., Northwestern University, 1961; M.A., 1962. Speech. *A Study of the Influence of Race, Socioeconomic, and Sex on the Speech Fluency of 200 Nonstuttering Fifth-graders.*
- Charles F. Nawrot, B.A., St. Mary's College, 1965. Biochemistry. *Basicity Differences Among Peptide Units and Some Amide Analogs.*
- Edward Bruce Nemanic, B.A., University of Utah, 1963. Physics. *A Study of the Threshold Zeros in the Solutions of the Partial Wave Dispersion Relations.*
- Mariana Newton, B.A., University of Redlands, 1960; M.A., 1963. Speech. *A Study of the Effects of Diazepam on Stuttering.*
- Ernst K. Nilsson, B.A., Northwestern University, 1964; M.B.A., University of Chicago, 1966. Industrial Engineering. *Police Systems Analysis.*
- John Amiard Oberteuffer, B.A., Williams College, 1962; M.A., 1964. Physics. *The Chemical and Magnetic Structure of Single Crystal Alpha Manganese.*
- Stuart E. Omans, B.A., University of Illinois, 1962; M.A., Miami University, 1964. English. *The War of the Theaters: An Approach to its Origins, Development, and Meaning.*
- Edmond Thomas Parker, B.S., Loyola University, 1957; A.M., 1966. Education. *Economic Education in Illinois Schools (K-12): Description and Inference.*
- Michael Parti, B.A., Roosevelt University, 1965. Economics. *A Factor Analytic Interpretation of the Educational Process.*
- Luis De La Cruz Pascual, B.S., University of the Philippines, 1960; M.E., 1965. Industrial Engineering. *Constrained Maximization of Posynomials and Vector-Valued Criteria in Geometric Programming.*
- Victor Joseph Pellegrini, B.S., University of Illinois, 1963; M.S., Northwestern University, 1965. Mathematics. *Wiener Hopf Operators.*
- Nola Jean Pender, B.S., Michigan State University, 1964; M.A., 1966. Education. *A Developmental Study of Conceptual, Semantic Differential, and Acoustical Dimensions as Encoding Categories in Short-term Memory.*
- Don Porter, B.A., Rice University, 1965; M.S., Northwestern University, 1967. Mathematics. *Novikov Resolutions for Symplectic Cobordism.*
- Helen M. Prince, B.A., University of New Hampshire, 1959; M.A., 1964. English. *Long Will: The First-Person Narrator in PIERS PLOWMAN.*
- Jon Andrew Rasmussen, B.A., University of Oregon, 1964. Economics. *Research and Development, Firm Size, Demand, and Costs: An Empirical Investigation of Research and Development Spending by Firms.*
- James R. Y. Rawson, B.S., Cornell University, 1965. Biological Sciences. *Isolation and Characterization of Euglene gracilis Cytoplasmic and Chloroplast Ribosomes and Their Ribosomal RNA Components.*

NORTHWESTERN UNIVERSITY

- Lawrence John Redlinger, B.A., Texas Christian University, 1966; M.A., 1967. Sociology. *Dealing in Dope: Market Mechanisms and Distribution Patterns of Illicit Narcotics.*
- Audrey Lois Reynolds, B.A., Southeast Missouri State College, 1965; M.A., Northwestern University, 1966. English. *Of Grammatical Trifles: Otto Jespersen and his Linguistic Milieu.*
- Jay S. Salkin, B.A., Franklin and Marshall College, 1966; M.A., Northwestern University, 1968. Economics. *On the Specification and Estimation of Alternative Functional Forms in the Theory of Production: The Case of Rice Production in South Vietnam.*
- Walter Ernest Sanders, B.A., Colgate University, 1963; M.A., Northwestern University, 1965. English. *The English-Speaking Game-Drama.*
- Robert Wesley Sankey, B.A., University of Washington, 1958. Speech. *A Rhetorical Study of Selected English Sermons of John Wycliff.*
- LeRoy W. Schroeder, B.A., Wartburg College, 1964. Chemistry. *Nature of the Strong Hydrogen Bond in CHCl₃ and BrHBr.*
- Samuel Schuman, B.A., Grinnell College, 1964; M.A., San Francisco State College, 1966. English. *The Theater of Fine Devices: Emblems and the Emblematic in the Plays of Webster.*
- Richard Frank Serfozo, B.S., Wayne State University, 1961; M.A., University of Washington, 1965. Applied Mathematics. *Time and Space Transformations of Semi-Markov Processes.*
- Cynthia Margaret Shewan, B.A., McGill University, 1965; M.A., Northwestern University, 1967. Speech. *An Investigation of Auditory Comprehension in Adult Aphasic Patients.*
- James Edward Sickles, B.S., University of Michigan, 1961; M.S., 1963. Materials Science. *Threshold and Production of Length Change Introduced into Pure and Doped MgO Irradiation Below 90°K.*
- Manuel Américo J. Gonçalves da Silva, Eq. of B.S., University of Puerto Rico, 1965; M.Sc., Rice University, 1967. Theoretical and Applied Mechanics. *Dynamic Response of Mechanical Systems With Changing Boundaries.*
- Philip Edward Smith II, B.A., Occidental College, 1965; M.A., Northwestern University, 1966. English. *John Galsworthy's Plays: The Theory and Practice of Dramatic Realism.*
- David H. Spain, B.A., The Ohio State University, 1961; M.A., 1962. Anthropology. *Achievement Motivation and Modernization in Bornu.*
- Judith Kay Stalick, A.B., Occidental College, 1965. Chemistry. *Some Structures of Five-Coordinate Transition Metal Complexes.*
- Wayne Myron Stalick, B.A., University of Oregon, 1964. Chemistry. *Base-catalyzed Addition Reactions of 4-Alkylpyridines to Isoprene and Related Reactions.*
- Thomas James Stevens, B.S., Wisconsin State University, 1958; M.Ed., The Ohio State University, 1963. Education. *Assessment of Student Teachers' Classroom Awareness.*
- Uldis Normunds Streips, B.A., Valparaiso University, 1964. Biological Sciences. *Infection of Bacillus stearothermophilus with Bacteriophage Deoxyribonucleic Acid.*
- Darwyn Gale Stuart, A.B., Dartmouth College, 1963; M.U.P., University of Illinois, 1965; M.S., Northwestern University, 1967. Civil Engineering. *Strategy Analysis in Urban Planning: Evaluating Model Cities Alternatives.*
- James P. Stucker, B.S., Illinois State Normal University, 1963. Economics. *An Econometric Model of the Demand for Transportation.*
- Yoshinbu Takeuchi, B.S., Tohoku University (Japan), 1958; M.S., 1960. Chemistry. *A Study of the Hydrogenation of Cycloalkenes With Homogeneous Rhodium Complexes as Catalysts.*
- Mary Ann Test, B.A., Gettysburg College, 1964; M.A., Northwestern University, 1967. Psychology. *Children's Responses to Harm-Doing: A Behavioral Study.*
- Leonard Eugene Voelker, B.S., Loyola College, 1965; M.S., Northwestern University, 1968. Civil Engineering. *Transient Stress Response of a Laminated Composite to a Transverse Loading.*
- Barry S. Wellar, B.A., Queen's University, 1965; M.S., Northwestern University, 1967. Geography. *A Program for Selection and Acquisition of Housing-Environment Data.*

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Jay Alan Wentworth, B.A., Ohio Wesleyan University, 1961; B.D., Chicago Theological Seminary, 1964; M.A., Northwestern University, 1966. English. *The Contemporary History Play: Rebirth of a Genre.*
- David Joseph Werner, B.S., St. Louis University, 1964; M.S., Northwestern University, 1966. Industrial Engineering. *A Theoretical and Empirical Investigation of the Relationships Between Some Measures of Information-Related Behavior and Characteristics of the Individual's Task, Person, Organizational Environment, and Professional Environment.*
- Jonathan Page West, B.S., University of Utah, 1965; M.A., Northwestern University, 1966. Political Science. *The Scope and Impact of Collective Negotiations in Selected Urban and Suburban School Systems: Implications for Public Policy.*
- Harold Tichenor Whitney, Jr., B.C.E., University of Cincinnati, 1961; M.S., Northwestern University, 1962. Civil Engineering. *Plastic Movement of Soft Clay in a Sheeted Cut.*
- William Austin Wilde, B.A., Bakersfield College, 1963; M.A., University of California, 1966. Sociology. *Official News.*
- Kwok-Chun Yee, B.Sc., University of Hong Kong, 1964. Chemistry. *Structural Effects on the Equilibrium and Kinetic Acidities of Nitroalkanes.*
- James Kenneth Zimmerman, B.S., University of Nebraska, 1965. Chemistry. *Dissociation of B-Lactoglobulin Near Neutral pH.*

MASTER OF ARTS

- Premaratna Abeysekera, B.A., University of Ceylon, 1957. Education.
- Turgul Aladag, B.A., University of Southern California, 1968. Economics.
- John Selden Allen, B.A., Dartmouth College, 1962; M.A.T., Wesleyan University, 1964. Speech.
- Nancy Boersma Andrews, A.B., Wheaton College, 1966. English.
- Allan C. Arnaboldi, B.F.A., Ohio University, 1968. Speech.
- Alan Gus Artner, B.A., Northwestern University, 1968. English.
- Gary P. Asp, B.S., University of Minnesota, 1964. Mathematics.
- Edith Abbey Balch, B.A., Brooklyn College, 1965. Education.
- Margaret Noel Bannochie, B.S., State University College at Buffalo, 1963. Speech.
- Carolyn Jean Bennett, B.A., Queen's University (Canada), 1966. Education.
- Geraldine Marie Bates, B.S. in Ed., Northern Illinois University, 1964. Education.
- Carol Ann Bennett, B.A., Drake University, 1962. English.
- Mary Bina, B.A., The College of St. Catherine, 1963. Mathematics.
- Joseph A. Blake, B.A., Florida Atlantic University, 1967. Sociology.
- Paula Joyce Bloomquist, B.A., Illinois Wesleyan University, 1968. English.
- Marilyn Fenrick Boekle, B.S., University of Wisconsin, 1964. Education.
- Duane R. Bollenbacher, B.S., Miami University, 1964. Mathematics.
- Olivian Boggs Boon, B.A., College of William and Mary, 1968. Speech.
- Thomas C. Bretl, B.A., Haverford College, 1968. Mathematics.
- Margaret E. Brunk, B.S., Northwestern University, 1966. Speech.
- John E. Buckley, B.A., Wichita State University, 1968. Speech.
- Robert Michael Buren, A.B., Loyola University, 1959. Sociology.
- Kenneth Burgdorf, B.A., Syracuse University, 1964. Psychology.
- Eugene Butler, Jr., B.S., Grambling College, 1957. Education.
- Kathleen Ann Camara, B.A., Bridgewater State College, 1968. Speech.
- Nancy Jeannette Campbell, B.A., Monmouth College, 1968. English.
- Kay Ellen Capo, B.A., LeMoyne College, 1968. Speech.
- Elsa Marja Carroll, Eq. of B.A., University of Helsinki, 1965. Linguistics.
- Charles Philip Carusi, B.A., Thomas More College, 1968. Speech.
- Diana Chang, B.A., University of Delaware, 1966. Sociology.
- Merrilee Jay Marchetti Clark, B.A., Lewis and Clark College, 1967. Speech.
- Carolyn H. Coon, A.B., Mount Holyoke College, 1958. Education.
- Janet M. Cooper, A.B., Nebraska Wesleyan University, 1963. Education.
- David Crow, B.A., University of Wisconsin, 1965. English.
- Carole Ann Crump, B.S., Bradley University, 1968. Speech.
- Helen Patricia Cullinane, B.A., Loyola University, 1939; M.A., 1943. Education.

NORTHWESTERN UNIVERSITY

- Jean L. Damisch, B.S., Northwestern University, 1951. Education.
 Faye Louise Farley Davis, B.S., University of Kentucky, 1963. Education.
 Suzanne TenBroeck Day, A.B., Ohio Wesleyan University, 1964. English.
 Phyllis Halpern DeLugach, B.A., Northeastern Illinois State College, 1968. English.
 John Arthur Dillon, B.A., Northwestern University, 1967. Speech.
 John Walter Dittmar, Jr., B.S., Nyack Missionary College, 1961. Mathematics.
 Carole Drachler, B.A., University of Michigan, 1968. Art.
 Jean Arlene Echternach, B.S., Northwestern University, 1968. Education.
 Shirley L. Ede, B.S., Wisconsin State University, 1964. Education.
 Mary G. Edwards, A.B., Trinity College, 1967. Political Science.
 Linda Sue Ellis, B.S., Southern Illinois University, 1967. Speech.
 Kathleen Mary Elson, B.S., Marquette University, 1968. Speech.
 Dianne Kay Erickson, B.S., University of Minnesota, 1966. Mathematics.
 Elizabeth Twentyman Erickson, B.S., Northwestern University, 1967. Education.
 Horst A. Ermer, Eq. of B.A., University of Cologne (Germany), 1968. Economics.
 David Evans, B.A., Harvard College, 1964. Sociology.
 Gael Marie Evans, B.A., University of Illinois, 1967. English.
 Susan Renan Evans, B.S., Northwestern University, 1968. Speech.
 Elizabeth Dixon Faithorn, B.A., Bennington College, 1968. Anthropology.
 Connie Diane Fletcher, B.A., University of Arizona, 1968. Speech.
 Alexander H. Fluellen, B.S., Fort Valley State College, 1968. Education.
 Roger Peery Forbis, B.A., University of Colorado, 1966. Speech.
 Phillis Trapani Fox, B.A., University of Chicago, 1966. Sociology.
 Ronald Stephen Fridell, B.S., Northwestern University, 1965. Speech.
 Lloyd Charles Garver, B.A., University of California, 1968. Speech.
 M. Catherine Gerken, A.B., Loyola University, 1968. Education.
 Janice F. Gilbert, B.S., University of California, 1949. Speech.
 Diana Ruth Goetz, B.A., Heidelberg College, 1965. Speech.
 Sandra Annette Goldberg, B.A., Southern State College, 1968. English.
 Joan Beth Goldstein, B.A., SUNY at New Paltz, 1968. Education.
 Julia Anne Goodman, B.A., Radford College, 1964. Mathematics.
 Marilyn Angela Hamrock, B.S. in Ed., Kent State University, 1968. Speech.
 Barbara Lois Handler, B.S., University of Wisconsin, 1968. Education.
 Jeanette Jane Harles, B.E., National College of Education, 1956. Education.
 Anna R. Hirshberg, B.S., Purdue University, 1968. Speech.
 Susan Margaret Hoare, B.A., Washington State University, 1968. Speech.
 Thomas Hoder, B.A., Augustana College, 1964. Speech.
 Rita Helene Hoffman, B.S., Ithaca College, 1968. Speech.
 Louis Samuel Jacobson, B.S., Massachusetts Institute of Technology, 1968. Economics.
 Marilyn D. Jacobson, A.B., University of Michigan, 1958. English.
 Marlayne L. Jacobson, B.A., St. Olaf College, 1959; B.D., Luther Theological Seminary, 1963. Religion.
 Fern Lois Johnson, B.A., University of Minnesota, 1968. Speech.
 Ira William Kalinsky, B.A., SUNY at Stony Brook, 1968. Sociology.
 Edmund Frank Kallina, Jr., A.B., Rice University, 1965. History.
 Denis Keohane, B.A., Catholic University, 1964. Mathematics.
 Barbara Ann Kepner, B.A., Mundelein College, 1968. Speech.
 Louise Hoch Kidder, B.A., Oberlin College, 1964. Psychology.
 Robert LeRoy Kidder, B.A., Oberlin College, 1964. Sociology.
 Viola Knapke, B.S., University of Dayton, 1963. Mathematics.
 Wayne Robert Koch, B.E., University of Wisconsin, 1965. Education.
 James Calvin Kocher, B.A., Concordia College, 1960; B.D., Luther Theological Seminary, 1964. Religion.
 Robert Kim Kratky, A.B., University of Kansas, 1968. English.
 Rochelle Gurian Krovitz, B.A., University of Colorado, 1964. Speech.
 Sarah Zabriskie Kuntz, B.A., Grinnell College, 1967. Russian.
 Mary Susan Kurz, A.B., Oberlin College, 1964. English.
 Janet Ann Kusner, B.S., Chicago Teachers College North, 1962. Education.
 Nancy J. Lampert, B.A., Northwestern University, 1968. English.
 Thomas F. Lasko, A.B., Brown University, 1962; M.B.A., University of Pittsburgh, 1966. Economics.

ONE HUNDRED AND TWELFTH COMMENCEMENT

- Phyllis Larson Lattuner, B.S. in Ed., Miami University, 1959. Education.
 Barbara Sue Lebin, B.A., Upper Iowa University, 1965. English.
 Scott Roger Lebin, A.B., Upper Iowa University, 1964. Speech.
 Jeffrey Michael Leonard, B.S., University of Wisconsin, 1966. English.
 Michael Vincent Levy, B.S., University of Iowa, 1966; M.U.P., University of Illinois, 1968. History and Literature of Religions.
 Thomas James Lewin, B.A., City College of New York, 1966. History.
 George S. Libman, B.A., Sacramento State College, 1963. Education.
 Howard Z. Lorber, B.A., University of Chicago, 1968. Anthropology.
 Donald James Lund, B.S., Wisconsin State University, 1962. Mathematics.
 Lois Bendes Lurie, B.A., University of Michigan, 1948. Speech.
 Jarol Bruce Manheim, B.A., Rice University, 1968. Political Science.
 Marcene Yvonne Marcoux, B.A., Emmanuel College, 1968. Anthropology.
 Barbara Ruth Marquard, B.S., University of Florida, 1963. Education.
 Rhonda Renae Martens, B.S., Kent State University, 1965. Speech.
 Priscilla Herron Matheny, B.S. in Ed., Northwestern University, 1966. Education.
 Donald Alvin May, B.A., Wichita University, 1963. English.
 Helen Mary McBurney, B.S., Northwestern University, 1968. Speech.
 Margaret Elizabeth McGrath, B.A., Northwestern University, 1967. Education.
 Catherine McKeever, A.B., Barat College, 1961. English.
 Wayne E. McKinley, B.S., Wisconsin State University, 1961; M.S., University of Wisconsin, 1962. Education.
 Gordon Bartlett McKinney, B.A., Bates College, 1965. History.
 Allan I. Mendelowitz, A.B., Columbia University, 1966. Economics.
 Karen Schlonat Merz, B.A., North Park College, 1963. English.
 Andrea Boucon Mock, B.S., Northwestern University, 1967. Speech.
 David Carl Moffat, B.A., B.B.A., Southern Methodist University, 1964. Speech.
 Beatrice K. Moore, B.S., Jackson State College, 1955. Speech.
 Michael Morael, Eq. of B.A., Institut d'Etudes Politiques (France), 1968. Economics.
 Katherine A. Murphey, B.A., University of Michigan, 1966. Speech.
 George Richard Neumann, B.A., LeMoyne College, 1968. Economics.
 Vereen Ann Nordstrom, B.A., Augustana College, 1964. Speech.
 Harold A. Otieno Ododa, B.A., Cuttington College (Liberia), 1967. Political Science.
 Susan Muriel Ohl, B.S., Northwestern University, 1966. Speech.
 Lawrence Einer Olsen, B.S. Wisconsin State University, 1964. Mathematics.
 C. Jack Orr, A.B., Messiah College, 1963; Th.B., 1964; B.D., Eastern Baptist Seminary, 1966. Religion.
 Franklin Mark Osanka, B.S., Northern Illinois University, 1960. Sociology.
 Osayimwese Ghatékha Izevbuwa, B.S., University of Ibadan (Nigeria), 1966. Economics.
 Helen Palmer, B.S., East Stroudsburg State College, 1944. Education.
 Judith Barnard Papier, B.A., The Ohio State University, 1961. English.
 Arthur E. Paris, B.A., City College of New York, 1968. Sociology.
 John E. Peirick, B.A., Northeastern Illinois State College, 1965. Speech.
 Miriam R. Perkins, B.S., Northwestern University, 1941. Spanish.
 Robert L. Perkowski, B.A., Miami University, 1968. Speech.
 Jean Robinson Peters, A.B., Indiana University, 1952. Education.
 Penelope Karla Peterson, A.B., Carthage College, 1968. Education.
 Frances Patricia Plotke, B.A., Clarke College, 1966. Mathematics.
 John James Powers, B.S., Loyola University, 1967. Speech.
 Barbara Klages Rastetter, B.S., Northwestern University, 1968. Education.
 John Keith Rennie, B.A., University College of Rhodesia and Nyasaland (London), 1963. History.
 Robert J. Reynolds, Jr., B.S., State University College at Brockport, 1967. Speech.
 Kay E. Rhoades, B.A., Lawrence University, 1968. English.
 Rodney J. Rodriguez, B.A., Florida State University, 1968. Spanish.
 Burton Rothberg, B.S., Massachusetts Institute of Technology, 1968. Economics.
 Patricia Ann Rouille, B.A., Lake Forest College, 1963. English.
 Barry Martin Rozomofsky, B.A., Michigan State University, 1966. Sociology.

NORTHWESTERN UNIVERSITY

John Paul Ryan, A.B., University of California, 1968. Political Science.
 Cynthia Schaulis, B.A., Wayne State College, 1965. Speech.
 Michael Kelly Schutz, A.B., University of California, 1966. Sociology.
 C. William Schweers, Jr., B.A., Occidental College, 1965. Anthropology.
 Janet Sewell, B.S., Michigan State University, 1967. Education.
 Diane I. Siegel, B.A., Queens College, 1968. Speech.
 Joseph Paul Smaldone, A.B., Holy Cross College, 1967. History.
 Marilyn Frances Somers, B.S., University of Wisconsin, 1965. Speech.
 Betty Claire Spence, B.A., St. Lawrence University, 1968. English.
 Lois Spors, B.A., Clarke College, 1965. Mathematics.
 Maureen Fitzgerald Stark, B.A., University of Toronto, 1964. Anthropology.
 Ronald C. Steele, B.A., Trinity College, 1965. English.
 Barbara Louise Stegman, B.A., Ball State Teachers College, 1962. Education.
 M. David Stein, A.B., New York University, 1967. Philosophy.
 Richard Alan Stout, B.A., Wabash College, 1968. Economics.
 Christine Anne Sturges, A.B., College of William and Mary, 1967. Speech.
 Sandra Kay Subject, B.A., University of Illinois, 1968. Education.
 Patricia A. Suttles, B.A., Goucher College, 1968. English.
 Virginia Millberry Symonds, A.B., Stanford University, 1967. Education.
 Joyce Arlene Therildsen, B.S., Iowa State University, 1960. Education.
 Virginia Mysiak Tinghino, B. Ed., National College of Education, 1963. Education.
 Michael Molo Toluhi, B.A., Forah Bay College (Sierra Leona), 1962. Economics.
 Maria Rosa Torres-Trueba, B.A., Mundelein College, 1968. Spanish.
 Russell Edward Tutterow, B.S., Ball State University, 1968. Speech.
 Nancy Hodges Walbek, B.A., Antioch College, 1967. Psychology.
 Peggy Stika Walter, B.S., Northwestern University, 1968. Education.
 Kuo-Chang Wang, B.A., National Chengchi University, 1960; M.A., 1965. Political Science.
 William F. Ward, B.S., Loyola University, 1967. Philosophy.
 Robert Howard Watkinson, Jr., B.S., University of California, 1968. History.
 Stephen J. Weber, B.A., Xavier University, 1967. Psychology.
 Diane Marla Weiner, B.S., University of Illinois, 1968. Education.
 Lee J. Weiner, B.S., University of Illinois, 1961. Sociology.
 Norman A. Weintraub, B.S., Pennsylvania State University, 1956. Economics.
 Ellen S. Weisberger, B.A., University of Pittsburgh, 1968. Speech.
 Catherine Ann Whelan, B.A., Gonzaga University, 1963. Mathematics.
 Edmond W. Wilson, B.S., University of Alabama, 1963. Education.
 Sharon Strauss Yaffa, B.S., University of Illinois, 1968. Speech.
 Rita F. Zambon, B.A., Mount Mary College, 1963. Mathematics.

MASTER OF ARTS IN TEACHING

Steven Saul Adelman, B.A., DePaul University, 1968. Education.
 Polly J. Andrews, B.A., Beloit College, 1968. Education.
 Dona Louise Baltensperger, A.B., Nebraska Wesleyan University, 1967. Education.
 Robert Hewitt Barker, B.A., Yale University, 1958. Education.
 Judith K. Bertman, A.B., Cornell University, 1966. Education.
 Josephine Lewis Blaney, B.A., Mt. Holyoke College, 1968. Education.
 Donna Cross Bretl, A.B., Bryn Mawr College, 1968. Education.
 Rebekah Van Nuys Brown, B.A., University of Wisconsin, 1967. Education.
 Laura Hillman Buechle, A.B., Vassar College, 1968. Education.
 Diane Kay Burwig, B.A., Knox College, 1968. Education.
 Janet Helen Casey, B.A., St. Mary's College, 1968. Education.
 Maurice A. Champagne, B.S., Loyola University, 1967. Education.
 Daniel Bert Chilcoat, B.A., University of Kansas, 1968. Education.
 Jeanne Therese Cinikas, B.S., Mundelein College, 1967. Education.
 Judith K. Compton, A.B., Bucknell University, 1968. Education.
 Judith Ann Domin, B.A., Rosary College, 1967. Education.
 Peter Raymond Dost, B.A., Northwestern University, 1968. Education.
 Jane Christine Drew, B.A., Trinity College, 1968. Education.
 Charles Willard Dunn III, B.A., Northwestern University, 1968. Education.

ONE HUNDRED AND TWELFTH COMMENCEMENT

Ronna L. Edelstein, B.A., University of Pittsburgh, 1968. Education.
 Randy Ann Ehrenberg, B.A., Harpur College, 1968. Education.
 Jane Wright Erickson, B.S., University of Wisconsin, 1965. Education.
 Margaret R. Fleming, B.A., Goucher College, 1968. Education.
 Richard H. Getzendanner, A.B., University of Illinois, 1968. Education.
 Larry N. Grote, B.A., University of Michigan, 1967. Education.
 Christine Hailwood, B.A., Stanford University, 1968. Education.
 Karen Marlene Haus, B.A., College of Wooster, 1968. Education.
 Marilyn F. Hoerbarger, B.A., University of Illinois, 1968. Education.
 Deborah G. Horwitz, A.B., Indiana University, 1968. Education.
 Janette Freeman Jackson, B.A., Miami University, 1966. Education.
 Joyce Eileen Jehle, B.S., North Carolina Wesleyan College, 1968. Education.
 Judith Ellen Jones, B.A., Drake University, 1968. Education.
 Judith Esther Jones, B.A., Muhlenberg College, 1968. Education.
 Barbara Louise Kollen, B.A., Hope College, 1968. Education.
 Erwin Lutz, B.A., University of Chicago, 1968. Education.
 Paul David Mandel, B.A., University of Michigan, 1968. Education.
 Mary F. McComb, B.A., Cornell College, 1968. Education.
 Nancy Eash Myers, B.A., Goshen College, 1965. Education.
 Bryce E. Nelson, B.A., University of Washington, 1968. Education.
 Judith Anne O'Connor, A.B., Mount Holyoke College, 1968. Education.
 Karen Lynn Ogren, B.A., DePauw University, 1968. Education.
 James Arthur Regier, B.S., Bethel College, 1968. Education.
 Angela Rae Schmidt, B.A., Coe College, 1968. Education.
 Susan Eileen Scott, B.A., Barat College, 1968. Education.
 Paula Silverman, B.A., The Ohio State University, 1968. Education.
 John Efstathius Stamos, Ph.B., Northwestern University, 1967. Education.
 Paula Rubin Stotland, A.B., Yeshiva University, 1968. Education.
 Lois Roberta Tingley, A.B., Pembroke College, 1968. Education.
 Bette Jo Tomlinson, B.A., Vanderbilt University, 1968. Education.
 Nancy Carlene Ulner, B.A., North Park College, 1968. Education.
 Jane V. Wall, B.A., Knox College, 1968. Education.
 Helen Bard Ward, B.A., Cornell College, 1968. Education.
 Susan Clowes Weber, B.A., University of Illinois at Chicago Circle, 1968. Education.
 Lynne S. Wexler, B.A., Northwestern University, 1966. Education.
 Trudy Ann Olson Woods, B.A., Grinnell College, 1968. Education.
 Catherine Bowers Woolston, B.A., Sarah Lawrence College, 1968. Education.
 Sharon Walsh Yates, B.A., Stanford University, 1968. Education.

MASTER OF SCIENCE

Nolan Theodore Adelman, B.S., University of Miami, 1968. Theoretical and Applied Mechanics.
 Janet Louise Afterman, B.S., Illinois Institute of Technology, 1967. Applied Mathematics.
 Clinton F. Ainsworth, B.A., Blackburn College, 1964. Biological Sciences.
 George John Antos, B.S., Iowa State University, 1968. Chemistry.
 Michael Steven Bambiger, B.S., McGill University, 1966. Transportation.
 Konrad J. Banaszak, B.S., Beloit College, 1966. Geological Sciences.
 Susan Pamela Banks, B.S., Rochester Institute of Technology, 1966. Clinical Pathology.
 Alden Suydam Bean, B.A., Lake Forest College, 1961. Industrial Engineering.
 George Frederick Benedict, B.S., University of Michigan, 1967. Astronomy.
 David Aaron Berkenbilt, D.D.S., Georgetown University, 1962. Dentistry.
 Mohan Narahari Bhawe, B.Ch.E., University of Bombay (India), 1967. Chemical Engineering.
 Jane Marie Borkowski, B.S., SUNY at Buffalo, 1967. Clinical Pathology.
 Heinz Busta, Eq. of B.S., Technische Hochschule (Austria), 1968. Physics.
 David Michael Byler, A.B., University of North Carolina, 1968. Chemistry.
 Kang-Rong Chiang, B.S., Taiwan Normal University, 1962. Materials Science.

NORTHWESTERN UNIVERSITY

Yuji Cho, B.S., Waseda University (Japan), 1958. Civil Engineering.
 James Prescott Curry, B.Eng., Carleton College, 1967. Civil Engineering.
 Andrew M. D'Amore, B.S., University of Illinois, 1967. Electrical Engineering.
 Apostolos Daniil, B.S., National Technical University of Athens, 1967. Chemical Engineering.
 Michael Wayne Dybel, B.S., Wabash College, 1968. Chemistry.
 Mohamed H. Eltarifi, B.Sc., Cairo University, 1965. Civil Engineering.
 Shu-Jin Fang, M.S., Lehigh University, 1968. Civil Engineering.
 Jose Ignacio Fernandez, B.S., University of the Andes (Colombia), 1967. Civil Engineering.
 Anthony John Francis, B.Sc., Victoria University (New Zealand), 1967. Civil Engineering.
 Stavros Sokrates Franjic, Eq. of B.S., Technical University (Greece), 1964. Industrial Engineering.
 Warren James Garsik, B.S., University of Notre Dame, 1967. Civil Engineering.
 Carol R. Hahn, B.S., The Ohio State University, 1962. Mathematics.
 Christopher Howard Hanks, B.A., Bowdoin College, 1968. Mathematics.
 Ramesh Relumal Hemrajani, B.Ch.E., University of Bombay (India), 1967. Chemical Engineering.
 William A. Hetzner, B.S., University of California, 1965. Industrial Engineering.
 Gerald C. Hoff, B.S., University of Illinois, 1960. Civil Engineering.
 Daniel Ray Hovis, B.S., Carroll College, 1968. Physics.
 Christopher Olutunde Imoru, B.S., University of IFE (Western Nigeria), 1967. Mathematics.
 Steven Ronald Jacobs, B.E.Sc., SUNY at Stony Brook, 1967. Industrial Engineering.
 Robert Paul Kertz, B.S., University of Chicago, 1968. Mathematics.
 Kenneth J. King, B.S., Northwestern University, 1967. Electrical Engineering.
 Paul Owen Kirley, A.B., Xavier University, 1968. Mathematics.
 Donald John Lehr, B.A., Michigan State University, 1959. Psychology.
 John Richard Lick, B.A., SUNY at Binghamton, 1967. Psychology.
 Louis Henry Linneweh, Jr., B.S., University of Illinois, 1967. Electrical Engineering.
 Howard R. Lipson, B.A., Brandeis University, 1967. Industrial Engineering.
 Anthony Richard Lubinsky, B.S., Case Western Reserve University, 1968. Physics.
 Jeffrey Eugene Mack, B.A., Northwestern University, 1966. Astronomy.
 Bruce Alan Magurn, B.S., University of Chicago, 1968. Mathematics.
 Roy George Malik, B.S., University of Illinois, 1967. Electrical Engineering.
 Robert Alan Mancini, B.S., University of Detroit, 1966. Chemical Engineering.
 Stephen Michael Marx, B.S., Washington University, 1966. Industrial Engineering.
 Robert E. Mason, Jr., A.B., Washington University, 1966. Transportation.
 Philip A. Mattson, B.S., Worcester Polytechnic Institute, 1968. Civil Engineering.
 Eugene F. McCormick, Jr., B.S., United States Merchant Marine Academy, 1964. Transportation.
 Richard George McGinnis, B.S., Bucknell University, 1968. Civil Engineering.
 Gerald Kenneth Miller, B.S., University of California, 1967. Civil Engineering.
 John Charles Nicholas, B.S., University of Pittsburgh, 1968. Mechanical Engineering.
 Charles Joseph Pieper, B.S., Northwestern University, 1967. Civil Engineering.
 Manuel Rechea Alberola, Eq. of B.S., Escuela Tecnica Sup. de Ing. de Caminos (Spain), 1967. Civil Engineering.
 James R. Riehle, B.S., University of Minnesota, 1966. Geological Sciences.
 James E. Robin, Jr., B.A., University of Colorado, 1968. Chemistry.
 Vinod Sahgal, M.B., B.S., Christian Medical College (India), 1960. Neurology and Psychiatry.
 Theodore W. Schlie, B.A., Valparaiso University, 1963. Industrial Engineering.
 Gordon Dale Schwartz, B.S., Kansas State University, 1965. Electrical Engineering.
 Michael A. Sequeira, B.S., Stanford University, 1968. Mathematics.
 Ahmad Bin Sidek, B.Ec., University of Sydney (Australia), 1964. Transportation.
 Gary R. Smith, B.S., Milwaukee School of Engineering, 1966. Electrical Engineering.
 Henry Gilbert Smith, Jr., B.S., Washington and Lee University, 1968. Chemistry.
 Curtis Allen Spilburg, B.S., Carnegie Institute of Technology, 1967. Chemistry.
 Denis G. Stefango, B.S., Northwestern University, 1966. Chemical Engineering.

ONE HUNDRED AND TWELFTH COMMENCEMENT

William D. Stuart, B.S., Pennsylvania State University, 1966. Geological Sciences.
Sarah Ann Sweet, A.B., Goucher College, 1967. Chemistry.
Stephen Leonard Taylor, B.E.S., The Johns Hopkins University, 1967. Industrial Engineering.
Garold Stephen Tjaden, B.S., University of Utah, 1966. Electrical Engineering.
Henry Leonard Vacher, B.S., University of Washington, 1965. Geological Sciences.
Hugo L. Vandersypen, Eq. of B.S., University of Louvain (Belgium), 1967; M.S., University of London, 1968. Transportation.
Enrique S. Volovsky, B.A., University of the Andes (Colombia), 1967. Civil Engineering.
Susan Blood Wilson, B.A., University of Delaware, 1965. Biological Sciences.
Christine Lin Yang, B.S., Chung-Hsing University, 1965. Biological Sciences.

DIPLOMA IN BUSINESS

Charles George Franklin
Daniel Joseph Kwiat

Stanley Robert Mehaffey

PRIZES AND HONORS

ALL-UNIVERSITY PRIZES

THE JOHN B. KIRK PRIZES IN ORATORY: Mark S. Utley (first); Susan D. Bussey (second); Michael A. Spangler (third)

MILTON S. FLORSHEIM PRIZES FOR DEBATE: Steven E. Gunderson, Emil Lippe, Jr., Kevin J. Sherman, Kenneth M. Strange, Curtis L. Sytsma, Ronald J. Waicukauski, H. Ronald Welsh

CUMNOCK DEBATE PRIZES: David H. Brown, Kris D. Knudsen

AGNESS LAW DEBATE PRIZES: Ilene E. Aleshire, Susan D. Bussey

NORTHERN ORATORICAL LEAGUE CONTEST: Mark S. Utley

HARDY SCHOLARS

In the Graduating Class—School of Law

Robert Foster, 1967-1970

(3 years)

Executive Editor, *Northwestern University Law Review*

William Theis, 1967-1970

(3 years)

Article Editor, *Northwestern University Law Review*

Marvin Truhe, 1967-1970

(3 years)

Member of the Editorial Board, *Northwestern University Law Review*

In the Graduating Class—Undergraduate

Gordon M. Patterson

Four Year Scholar

Cumnock Debate Prize

Varsity Debate, two years

Mock Congress

Kevin J. Sherman

Three Year Scholar

Varsity Debate, four years

Cumnock Debate Prize

Florsheim Debate Prize

Curtis L. Sytsma

Four Year Scholar

Varsity Debate, four years

Cumnock Debate Prize

Mock Congress

Florsheim Debate Prize

Ronald J. Waicukauski

Four Year Scholar

Varsity Debate, four years

Cumnock Debate Prize

Florsheim Debate Prize

Mock Congress

Clarion DeWitt Hardy Scholars in School—Undergraduate

Lawrence P. Bemis

David H. Brown

Colin F. Campbell

Steven E. Gunderson

Gary R. Lewis

Howard S. Schiffres

Mark S. Utley

H. Ronald Welsh

ONE HUNDRED AND TWELFTH COMMENCEMENT

RUSSELL SAGE SCHOLAR

In the Graduating Class—School of Law

Stephen Landes, 1967-1970

(3 years)

Projects Editor, *Northwestern University Law Review*

WEYMOUTH-KIRKLAND SCHOLARS

In the Graduating Class—School of Law

Paul Rink, 1967-1970

(3 years)

William Theis, 1967-1970

(3 years)

Article Editor, *Northwestern University Law Review*

THE COLLEGE OF ARTS AND SCIENCES

DANIEL BONBRIGHT MEMORIAL SCHOLARSHIP: Howard Avery Eiland

JAMES ALTON JAMES MEMORIAL SCHOLARSHIP: Steven Nisenbaum

OLIVER MARCY MEMORIAL SCHOLARSHIP: Kenneth Walter Faig, Jr.

HEARST SCHOLARSHIP: Stephen Richard Ell

PHI BETA KAPPA

Class of 1970

*Rosalind Sherry Altman
*Susan Andrews
Roderick Riddle Aya
*Arthur Kirsner Balin
*John George Boras
Frances Ann Braude
*Bryan Conred Brown
*Laura Gold Chernaik
Joseph William Chessare
Charles William Douglas
Constance Catharine Duncan
Howard Avery Eiland
*Stephen Richard Ell
Neil Richard Evans
*Kenneth Walter Faig, Jr.
Mark Rudolph Feichtinger
Howard Warren Goldstein
Harvey Jay Graff
Andrew Kent Greenfield
Glenn Hausfater
Nancy Lynn Hayes
Bruce Michael Henkin
James Allen Hewitt
Bruce Alan Hubbard

Patricia Mary Huebsch
Doris Cecchi Huff
Micaela Scott Iovine
John Robert Jordan
Judith Anne Kremers
*Stephen Robert Leone
William Robert Levin
David Leon Lieberworth
Gary Stephen Lissner
Jeffrey Arthur Looker
Barbara Louise Louis
Maury Steven Lubet
Aileen Mew-Lan Lum
Leslie Major
John William Miller
Norman Richard Miller
Steven Nisenbaum
Suzanne Wilson Odell
Adrian Martin Oleck
Theodore Zane Polley
Kay Campbell Pranis
Nancy Ellen Pudlo
Gary Phillip Ratner
Mark Donald Reich

**Elected during junior year*

NORTHWESTERN UNIVERSITY

Mary Dee Rogers
*David Lee Ross
Janet Ellen Rubin
Thomas Anthony Sargent
Steven Jay Scheer
Susan Lynn Schultz
Robert Lee Seigle
James Leo Spenko
Kurt Hillis Stiver
Eric Stonehill

Karin Margaret Strand
Jo Ann Stuppy
Barry Philip Taylor
Barbara Sophie Urbanczyk
Carol Jean Wagner
Barbara Jeanne Walker
*Ngai-Ming Yee
Donald Allen Young
Donald Eugene Yuhas

PHI BETA KAPPA

Class of 1971

James Edward Avery
Steven Lee Guber
Ina Rae Hark
Barbara Ellen Kurtz

Keith Andrew Levine
Timothy Charles Sherck
Barry Jay Silverman
Jan Karel Zaluda

ALPHA SIGMA LAMBDA

Patricia Helen Anguish
Yolanda Missar Deen
Phyllis Bauer Dubnick

Marilyn Joan Fall
Nico Gerard Genet
Jan van der Graff

ACADEMY OF AMERICAN POETS PRIZE: Robert Graham

J. SCOTT CLARK AWARD: Laurence Gonzales

FARICY AWARD FOR POETRY: Sister Alla Renee Bozarth

EDWIN L. SHUMAN AWARDS: First Prize: John Craig; Second Prize:
William Chambers, Susan Ekholm, Douglas Polk; Third Prize:
Susan Goble, Stuart Greenman, James Hahn

BACHELOR OF ARTS

June 1969

Degree Awarded With Highest Distinction
Ralph William Franklin

August 1969

Degree Awarded With Highest Distinction
Aileen Mew-Lan Lum

Degrees Awarded With Distinction

Margaret Lewis Marshall Duer

Lawrence Cabell Vogel

**Elected during junior year*

ONE HUNDRED AND TWELFTH COMMENCEMENT

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

Degrees Awarded With Highest Distinction

William Barlow Ogden	Bruce Frederick Scharschmidt
William Bassett Ricks	

Degrees Awarded With Distinction

John Sayler Coon IV	Stewart Martin Spies
Richard Frank Gillum	Guy Thomas Williams
Karsten Fredrich Konerding	

HONORS PROGRAM IN MEDICAL EDUCATION

Dennis Ronald Carlyle	George Thomas Rab
Jeffrey David Chulay	Richard Alan Rak
Sandra Smorol Drewes	William Bassett Ricks
Edward Joseph Fik III	Joseph Edward Russ
John Edward Forestner	Roger Gene Santala
Philip Bruce Johnson	Bruce Frederick Scharschmidt
Karsten Fredrich Konerding	Michael Schatz
James Dennis Lakin	Stewart Martin Spies
Thomas Edward Leffler	Susan Mary Stenson
Hubert Lynn Magill	Mark Allison Studley
John Paul McGee	Jeffrey Hugh Watters
William Barlow Ogden	Lee David Weiss

LESLIE BRAINARD AREY (PHI BETA PI) AWARD: Gerald Jay Harris

BORDEN RESEARCH AWARD: David James Knesper

PHI RHO SIGMA AWARD: William Bassett Ricks

FREDERICK H. RAWSON, JR. SCHOLARSHIP: William Bassett Ricks

ALPHA OMEGA ALPHA

Gordon David Baumbacher	William Joseph Parker, Jr.
Dennis Ronald Carlyle	William Bassett Ricks
John Sayler Coon IV	Joseph Edward Russ
William Deward Ferris	James Louis Sacksteder
Edward Henry Forkos	Bruce Frederick Scharschmidt
Richard Frank Gillum	Michael Schatz
Robert Alan Goldstein	Stewart Martin Spies
James Edward Greenlee	Susan Mary Stenson
Gerald Jay Harris	Michael Jack Supancich
John Charles Kelleher, Jr.	Jeffrey Hugh Watters
Karsten Fredrich Konerding	Guy Thomas Williams
William Barlow Ogden	

NORTHWESTERN UNIVERSITY

THE SCHOOL OF LAW

JULIUS H. MINER MOOT COURT COMPETITION: Glynna W. Freeman and Kathy Miller Hahn (Winning Team); Glynna W. Freeman and Kathy Miller Hahn (Best Oral Argument); Helena Sinclair Maclay and Ronald R. Robinson (Best Brief)

LOWDEN-WIGMORE COMPETITION: James DeMarco, Eugene Bernstein, Edward Grenwald

WIGMORE KEY: Stephen Philip Linzer

THE SCHOOL OF SPEECH

ZETA PHI ETA SCHOLARSHIP IN INTERPRETATION: Carolyn J. DeMoney

PHI BETA SCHOLARSHIP: M. Megan McTavish

JUNIOR SCHOLARSHIP: Kris D. Knudsen

SOPHOMORE SCHOLARSHIP: Wendy F. Goldman

THE DRAMA CLUB OF EVANSTON SCHOLARSHIPS: Maher H. Ahmad, Ellen R. Busman, M. Megan McTavish, Roger W. Mueller

DELTA ZETA SCHOLARSHIP: Susan M. Goldstein

MERCY SIMERAL PARKHILL SCHOLARSHIP: Patricia J. Hull

JOSEPH LEVIN FOUNDATION SCHOLARSHIP: Patricia J. Seifer

SAM S. SHUBERT GRADUATE FELLOWSHIP IN PLAYWRITING: Peter A. Rothman

DRAMATISTS GUILD FUND, THE HOWARD LINDSAY-RUSSEL CROUSE MEMORIAL AWARD: Gregory S. Roegler

ZETA PHI ETA AWARD IN CHILDREN'S THEATRE: Beth S. Jacoby

THEATRE DEPARTMENT PRIZE: Jocelyn A. Meng

EVANSTON CHAPTER OF NATIONAL SOCIETY OF ARTS AND LETTERS AWARD: C. Curtis Heeter

LUCIA MAY WIAW AWARD: Robert E. Frey

JAMES L. LARDNER MEMORIAL AWARD: Lynn S. Bains

MARY PETERSON GILBERT AWARD: Michael A. Spangler

CHARLOTTE I. LEE AWARD: Linda C. Pierce

INTERPRETATION HONORS: William W. Jackson, Phyllis L. Thorpe, Sandra H. Savick (undergraduate); Hilda H. McElroy (graduate)

PUBLIC ADDRESS AND GROUP COMMUNICATION HONORS: Gerald J. Buchwald, Kris D. Knudsen, Steven N. Lipkin, Nikki S. Martin

SPEECH AND LANGUAGE PATHOLOGY HONORS: Lynn S. Freeman, Janice L. Fairchild, Barbara T. Seeder (undergraduate); Barbara S. Allen, Sharon P. Conger, Mary Frances Edwards, Kay Ober (graduate); Honor Member of Sigma Alpha Eta: Sheryl P. Brookner; Kappa Kappa Gamma Centennial Scholarship: Sandra Lee Smigiel

ONE HUNDRED AND TWELFTH COMMENCEMENT

LEARNING DISABILITIES HONORS: Deborah R. Dubin (graduate)
EDUCATION OF THE HEARING IMPAIRED HONORS: Yolande R. Crosby (graduate); Carol E. Morton (undergraduate)
SPEECH EDUCATION HONORS: Maureen F. Cleary, Linda G. Garcia, Jacqueline S. Schwarz, Barbara J. Scrivner, Natalie C. Tolles; Zeta Phi Eta Award for Outstanding Achievement: Kathleen L. Carr; Karl F. Robinson Graduate Award: Joan M. Buffinton, Gary L. Hobbs
THEATRE HONORS: Acting—Robert D. McBrien, M. Ann Whiteman; Directing—Roger F. Copeland; Technical—Ruth C. Siegel

THE SCHOOL OF DENTISTRY

AMERICAN COLLEGE OF DENTISTS (ILLINOIS SECTION): Terry Emmett Brady
THE ODONTOGRAPHIC SOCIETY OF CHICAGO AWARD: Stephen J. Newcomer
INTERNATIONAL COLLEGE OF DENTISTS AWARD: Thomas R. Wagner
AMERICAN ACADEMY OF ORAL MEDICINE: John Stephen Kovatch
AMERICAN DENTAL SOCIETY OF ANESTHESIOLOGY: Donald Phillips Aust
AMERICAN SOCIETY OF DENTISTRY FOR CHILDREN: Michael Doyle Odland
AMERICAN ACADEMY OF GOLD FOIL OPERATORS: Stanley Y. Doida
AMERICAN ASSOCIATION OF ENDODONTICS: Lewis M. Westover
AMERICAN ACADEMY OF PERIODONTOLOGY: Richard Raymond Sanders
AMERICAN ACADEMY OF ROENTGENOLOGY: Lawrence Joseph Heppner
LACTONA PERIODONTICS AWARD: Michael Paul Cosby
C. V. MOSBY AWARDS: Dudley Cheu, Jeffrey Shelton Davee, Fredric Ross Fiersten, Howard Neil Lee, Thomas Holmes Ludlow, Helianthe Stevig

OMICRON KAPPA UPSILON

Michael Paul Cosby	Stephen J. Newcomer
Gregory William Cramm	Kenneth E. Richardson
Richard Cadmus Lathrop	Gerald Robert Scimeca

SIGMA PHI ALPHA

Kristine Dian Alzeno	Frances Rita Novak
Donna Jean Mayeda	

THE SCHOOL OF MUSIC

FREDRIK A. CHRAMER SCHOLARSHIPS FOR EXCELLENCE IN OPERA: Philip Creech, Susan Dorosh, William Eichorn, Paul Geiger, Donald Gray, James Koenig, Linda Mabbs, Margaret Mann, Marguerite Bauer Morris, Edwin Quistorff, Sandra Smith, John Stephens
WILLIAM T. FARICY AWARD FOR CREATIVE MUSIC: Philip Brown
WADE FETZER AWARD FOR EXCELLENCE IN PERFORMANCE: Lawrence Campbell

NORTHWESTERN UNIVERSITY

JANE HAMILTON FISK AWARD FOR EXCELLENCE IN PERFORMANCE: Helen Kay Eberley

AMELIA A. HUFF MEMORIAL SCHOLARSHIP: Milton Granger

MARIO LANZA AWARD: Donald Gray

ANNA SCHAUFFLER LOCKWOOD AWARD FOR EXCELLENCE IN STRING MUSIC: Daryl Goldberg

RUSSELL V. AND HAZEL B. MORGAN AWARD FOR SCHOLARLY WRITING IN MUSIC EDUCATION AT THE MASTER'S LEVEL: Margaret Drago

NATIONAL SOCIETY OF ARTS AND LETTERS AWARD (EVANSTON CHAPTER): Margaret Okimoto, Paul Urbanick

MARY LOUISE PENDLETON FUND SCHOLARSHIP: Carol Radecki

CORINNE FRADA PICK MUSIC SCHOLARSHIP: Lawrence Campbell

PI KAPPA LAMBDA, ALPHA CHAPTER AWARD: Clara Lindner

SIGMA ALPHA IOTA ALUMNAE CHAPTER AWARD: Sarah Birkhead

SIGMA ALPHA IOTA DEAN'S HONOR AWARD: Margaret Swett

SIGMA ALPHA IOTA HONORS CERTIFICATE: Trudy Makela

SIGMA ALPHA IOTA SWORD OF HONOR AND LEADERSHIP AWARDS: Sarah Birkhead, Trudy Makela, Mary Katherine McGunegle, Margaret Swett

LOUIS SUDLER ORATORIO AWARDS: Lynn Roseberry, Jeannette Junk

PI KAPPA LAMBDA

Noralee Angeli
Diane Baldwin
Thomas Bonner, Jr.
Joyce Brereton
Joseph Celli
Victoria deLissovoy Darda
Nell Englestad
Danny Felty
Sheldon Gershon
Dorothy Gilles
James Higdon
Jill Segress Hunt
Paul Kanzer
Richard Kennell
Sister Marilyn Jean Kuhn
Hee Jyung Kwon
James Ladewig
Donna Leatzow
Clara Lindner
Linda Mabbs

Joseph Maiella
Trudy Makela
John Magnuson, Jr.
Vicki Beck Martin
Nancy McAlhany
David Miotke
Marguerite Bauer Morris
Edith Myers
Kimiko Noguchi
Lewis Peterman, Jr.
Mark Podolnick
Allyn Reilly
John Schauer
Marjorie Shansky
Barbara Siedman
Richard Sovinec
Michael Joseph Thiele
Adolphus Turkson
Clifton Ware

THE SCHOOL OF BUSINESS

Graduate School of Business Administration

ERNST & ERNST PRIZE FOR EXCELLENCE IN ACCOUNTING: John Edward Flatley, Jr.

WOLF AND COMPANY PRIZE FOR EXCELLENCE IN BUSINESS RESEARCH: Peter Grant Olson

ONE HUNDRED AND TWELFTH COMMENCEMENT

FINANCIAL EXECUTIVE AWARD: Carl Matthew Fink

DISTINGUISHED SCHOLARS, 1970

Richard Warner Ashley	Thomas William McDowell
Nancy Soller Bingman	Ross Wilson McPherson III
Marie Louise Brandt	Samuel Myers Means III
Robert Harold Campbell	Robert Dewey Miller, Jr.
Robert Joseph Dillon	Eric Charles Neuman
Archibald Lingow Elam	Richard Fredrik Nielsen
Thomas Patrick Flanagan, Jr.	John Truman Perry
John Edward Flatley, Jr.	George Joseph Podrasky
Kenneth Joseph Gimbel	William Andrew Reego
James Edwin Grunst	Bernard Leon Robinson
David James Ingram	Robert Andrew Rusnak
Jonathan Lee Jacobs	Howard Burton Silverman
Gerald Allan Kayser	James Harlen Skaggs
James Michael Kennedy	David Brooks Sweeney
William Kotowski	Thomas Edward Weinthaler
Maureen Kay Long	Terry Glen Westbrook
Robert Elmer May III	Mary Jane Wood

BETA GAMMA SIGMA

Richard Warner Ashley	Thomas William McDowell
Nancy Soller Bingman	Ross Wilson McPherson III
Marie Louise Brandt	Samuel Myers Means III
Robert Harold Campbell	Robert Dewey Miller, Jr.
Robert Joseph Dillon	Eric Charles Neuman
Archibald Lingow Elam	Richard Fredrik Nielsen
Thomas Patrick Flanagan, Jr.	John Truman Perry
John Edward Flatley, Jr.	George Joseph Podrasky
Kenneth Joseph Gimbel	William Andrew Reego
James Edwin Grunst	Bernard Leon Robinson
David James Ingram	Robert Andrew Rusnak
Jonathan Lee Jacobs	Howard Burton Silverman
Gerald Allan Kayser	James Harlen Skaggs
James Michael Kennedy	David Brooks Sweeney
William Kotowski	Thomas Edward Weinthaler
Maureen Kay Long	Terry Glen Westbrook
Robert Elmer May III	Mary Jane Wood

The Undergraduate School

BETA GAMMA SIGMA

Robert Kyle Burgess	Keith Isamu Nakamoto
David Charles Forell	Barry Berman Rutenberg
*Jeffrey William Kolb	*Ronald Spielman
Robert William Matoushek	Arthur Dee Warady
Allan Stanley Miller	*Timothy Alan Wille

HONORS IN INDEPENDENT STUDY

Stephen Clare Adams

THE MEDILL SCHOOL OF JOURNALISM

DOROTHY CARLYLE AWARD: Judy Alberta Kulstad

THETA SIGMA PHI FRED WHITING MEMORIAL SCHOLARSHIP AWARD: Millicent Brown Fauntleroy

SIGMA DELTA CHI CITATION OF ACHIEVEMENT: Richard Lee Boudreaux

LOIS BAUR MEMORIAL AWARD: Judy Alberta Kulstad

KATHERINE KRIEGHBAUM MEMORIAL AWARD: Lawrence R. Dillard

**Elected as juniors*

NORTHWESTERN UNIVERSITY

KAPPA TAU ALPHA

George Everett Berry
Richard L. Boudreaux
Stephen M. Bowell
John E. Carman
Rebecca S. Castaldi
Ann E. Dilworth
Timothy J. Innes
Susan L. Irwin
Wallace C. Judd, Jr.
Judy A. Kulstad
Joann S. Lublin

Josephine M. McCarty
George R. Martin
Donna R. Marx
Joseph Michael Meyer
Allen R. Overmyer
Joan M. Paylo
Nancy E. Rudy
Lynn S. Slovonsky
Mary L. Swanton
Stanley A. Wojteczko
Kenneth E. Yednock

THE SCHOOL OF EDUCATION

August 1969

Degree Awarded With Distinction

Ina Schwartz Sherman

THE TECHNOLOGICAL INSTITUTE

OID W. ESHBACH AWARD: Ronald Martin Saidikowski

HAMILTON AWARD: Edward Paul Wagner, Jr.

ALPHA PI MU

Dennis Wolfard Draper
Barry Martin Goldrich
Robert W. Hagen
Lawrence Meyers, Jr.
Robert Milton Nauss

Thomas Paul Poberezny
John Edgar Rankin
John G. Vornbrock
Raymond N. Wareham

ETA KAPPA NU

Ronald Craig Fish
J. Christopher Fugitt
Craig A. Gaw
Keith Edward Gorlen

James N. Heller
James Man-Chang Ho
Rex Schumacher

PI TAU SIGMA

George Ewing Alexander
Robert L. Diebel
William Charles Pohl

James Edwin Scott, Jr.
Gilbert Edward Schumacher
Philip Ray Taylor

TAU BETA PI

George Ewing Alexander
Steven Arthur Bradley
Stephen Oliver Brennom
Douglas Arthur Chapman
Richard S. DiPietro
Dennis Wolford Draper
Suellen Willis Fausel
Raymond Gunton Finucane
Ronald Craig Fish
Craig A. Gaw
Keith Edward Gorlen
Robert W. Hagen
James N. Heller
James Man-Chang Ho
Bradley James Hoffman
Arthur Allen Huckelbridge, Jr.
Bruce David Jacobsen

Lawrence Meyers, Jr.
Robert Milton Nauss
Thomas Paul Poberezny
Daniel Reid Price
Donald Albert Rauh
Richard Nicholas Reinhart, Jr.
Sally Jean Rimkus
Robert Vance Rouse
Ronald Martin Saidikowski
Gilbert Edward Schumacher
Rex Schumacher
Roger William Vinita
John G. Vornbrock
Edward Paul Wagner, Jr.
Sidney Peter Wagner, Jr.
Paula R. Wiegand

ONE HUNDRED AND TWELFTH COMMENCEMENT

*Additional Prizes and Honors announced too late for publication
in this program in the usual order of listing by schools.*

THE COLLEGE OF ARTS AND SCIENCES

PHI BETA KAPPA PRIZE: David Lee Ross

DEPARTMENTAL HONORS

ANTHROPOLOGY	Peggy Carol Sweeney
Janet Gail Brashler	Christopher Latimer Sweet
	Virginia Mary Thiel
Glenn Hausfater	
ART	HISTORY
Pauline Catherine Mohr	Roderick Riddle Aya
	Stephen Richard Ell
ASTRONOMY	Harvey Jay Graff
Thomas Anthony Sargent	Bruce Alan Hubbard
	Gregory Tallman McKee, Jr.
BIOLOGY	Steven Nisenbaum
Michael Grant Ehrie, Jr.	Suzanne Wilson Odell
Patricia Karen Faus	Barry Robert Wood
Marshall Kenneth Grossman	
Nan Turner	HISTORY AND LITERATURE OF RELIGIONS
Bonnie Lee Typlin	Dennis John Belom
Richard John Yarger	
CHEMISTRY	MATHEMATICS
Robert Anthony Bambara	Bradd Evans Clark
Charles George Franz, Jr.	Kenneth Walter Faig, Jr.
Bruce Michael Henkin	Arthur Leo Freund
Jeffrey Allen Hinkley	Walter Frank Gazdzik
Stephen Michael Kraemer	
Stephen Robert Leone	PHILOSOPHY
Craig Alan Shadur	Richard Paul Denning
	Stuart Mark Elkmann
ECONOMICS	Neil Richard Evans
Carlos Mauricio Davalos Guevara	Richard Alan Hansen
Mark Rudolph Feichtinger	William Eric Perkins
Ray Thomas Forbes	
Ray Joseph Grzebielski	PHYSICS
Janis Ann McCord	Bryan Conred Brown
Georges Frederick Rocourt	Donald Eugene Yuhas
Janet Ellen Rubin	
Steven Reiss Weisbrod	POLITICAL SCIENCE
ENGLISH	Charles Richard Berry
Susan Andrews	Janice Jay Buren
Sharon Kaye Coffin	Timothy Richard Craig
Brian Stephen Ehrlich	Charles William Douglas
Howard Avery Eiland	Howard Warren Goldstein
Elliot Roy Enoki	Margaret Elizabeth Grant
Patricia Mary Huebsch	Sue Ann Mahaffey
Susan Marie Hunter	Leslie Major
Robert Allen Meyer	Norman Richard Miller
Mary Dee Rogers	Michael Henry Morris
James Leo Spenko	Gary Phillip Ratner
Karen Margaret Strand	Mark Donald Reich
	David Lee Ross

NORTHWESTERN UNIVERSITY

PSYCHOLOGY

Jonathan Benson Alper
Francis Jacob Huff
Jay Lawrence Lebow
Robert Wayne Moths
Joel Peter Redfield
David Jan Skorton
Eric Stonehill
Gene Edward Topper

RUSSIAN

Donald Allen Young

SOCIOLOGY

Kirsti Tilu Aarnio
Thomas Webster Chauncey II
Thomas Devlin Dickey
Margaret Eileen Gardner
Phillip Jeffrey Haas
Philip Lehner
Jeffrey Arthur Looker
Ameen Ishak Ramzy

SPANISH AND PORTUGUESE

Kathryn Ruth Benysh

BACHELOR OF ARTS

Degrees Awarded With Highest Distinction

Susan Andrews
Arthur Kirsner Balin
Laura Gold Chernaik
Howard Avery Eiland
Stephen Richard Ell
Glen Hausfater
Bruce Michael Henkin
Patricia Mary Huebsch
John Robert Jordan

Stephen Robert Leone
Suzanne Wilson Odell
Kay Campbell Pranis
David Lee Ross
Janet Ellen Rubin
James Leo Spenko
Karin Margaret Strand
Donald Allen Young

Degrees Awarded With Distinction

Rosalind Sherry Altman
Roderick Riddle Aya
Robert Anthony Bambara
Bryan Conrod Brown
Carmella Sonia Caridi
Richard Paul Denning
Neil Richard Evans
Kenneth Walter Faig, Jr.
Howard Warren Goldstein

Doris Cecchi Huff
Gary Stephen Lissner
Maury Steven Lubet
Norman Richard Miller
Steven Nisenbaum
Gary Phillip Ratner
Mary Dee Rogers
Eric Stonehill
Ngai Ming Yee

BACHELOR OF PHILOSOPHY

Degree Awarded With Highest Distinction

John Michael McDermott

Degrees Awarded With Distinction

Nico Gerard Genet

Jan Van Der Graaf

THE SCHOOL OF LAW

JURIS DOCTOR

Magna Cum Laude

Thomas Michael McMahon

Paul Ethan Slater

ONE HUNDRED AND TWELFTH COMMENCEMENT

Cum Laude

Milford Ames Ardell	William Grier Kelly, Jr.
Eugene Howard Bernstein	Stephen Jay Landes
Douglas Michael Branson	Richard John Lang
Nicholas Bull	Stephen Philip Linzer
Frederic Simon Burstein	Burton Howard Litwin
Barry Eugene Cohen	Michael Bernard Mushlin
Donald Stewart Cohen	Robert Frederick Reed
Leonard Peter Diorio	William Christy Robb
Richard Corbett Fiddes	Lawrence David Solomon
Robert Francis Forier	William Harold Theis
George Shepard Ginsberg	Howard Alan Tullman
Edward Samuel Grenwald	Robert Hobert Wheeler
Arnold Stuart Harrison	Steven Neil Wohl
Edward Alexander Jaffe	

ORDER OF THE COIF

Eugene Howard Bernstein	Robert Frederick Reed
Barry Eugene Cohen	Paul Ethan Slater
Donald Stewart Cohen	William Harold Theis
George Shepard Ginsberg	Howard Alan Tullman
Burton Howard Litwin	Steven Neil Wohl
Thomas Michael McMahon	

THE SCHOOL OF SPEECH

BACHELOR OF SCIENCE IN SPEECH

Degrees Awarded With Highest Distinction

Gerald Jay Buchwald	Carol Erting Morton
Clarence Curtis Heeter	

Degrees Awarded With Distinction

Leslie Eibel Bravman	Raymond Douglas Pike
Frank Charles Morris, Jr.	Ronald Joseph Waicukauskis

THE SCHOOL OF MUSIC

BACHELOR OF MUSIC

Degrees Awarded With Highest Distinction

Roger Lee Nelson	John Joseph Schauer
------------------	---------------------

NORTHWESTERN UNIVERSITY

THE SCHOOL OF BUSINESS

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Degrees Awarded With Highest Distinction

Barry Berman Rutenberg

Ronald Spielman

Degrees Awarded With Distinction

Jeffrey William Kolb
Allan Stanley Miller

Keith Isamu Nakamato
Timothy Alan Wille

BETA GAMMA SIGMA

Suzanne Harriet Mitton

Evening Division

ALPHA KAPPA PSI MEDALLION: Ralph Waldo Bugg

COMMERCE CLUB DEGREE AWARD: Roy Hugo Brolin

COMMERCE CLUB DIPLOMA AWARD: Richard Arthur Hoenecke

DELTA SIGMA PI PRIZE: Efraim Hadassy

EPSILON ETA PHI (MINNIE L. PETERSON) AWARD: Carol Ann Marinello

LYDIAN LEADERSHIP AWARD: Irene Mary Meyer

ADMINISTRATIVE MANAGEMENT SOCIETY OF CHICAGO AWARD: Frank John Zeman

PHI CHI THETA PRIZE: June Gertrude Ruth

JOSEPH SCHAFFNER PRIZE (DEGREE PROGRAM): Donald Lawrence Anderson

JOSEPH SCHAFFNER PRIZE (DIPLOMA PROGRAM): Efraim Hadassy

H. G. WRIGHT COMMERCE CLUB SCHOLARSHIP AWARD: Edward James O'Neil, Jr.

JOSEPH H. GILBEY COMMERCE CLUB FOUNDER'S AWARD: Robert Charles Brewer

DANIEL R. LANG AWARD: Muriel Frances Reder

DELTA MU DELTA ASSOCIATES AWARD: Phi Chi Theta, Phi Sigma Phi

DELTA MU DELTA

Donald Lawrence Anderson
Wilbert Adolph Blum
John Raymond Brouch
Russell Frederick Diethert
Rita Thomson Edstrand
George Colfax Eierdam
Donald Edward Erickson
Ronald Edwin Froehlich
Efraim Hadassy
Harold Frederick Hagrefe
Charles Roger Harris
Richard Dennis Holly
William Charles Holmeide
John Louis Lenzini
Gail Gustaf Johan Lindgren

Stanley Robert Mehaffey
Ellsworth Ervin Mullineaux
Richard William Norwood
Frank James Pavlich, Jr.
Joseph Edward Petrusek, Sr.
William Prekajac
Audronis Radzvikas
Marlene Joan Reimer
John Craig Romans
Patrick Donald Ross, Jr.
Ronald John Shroba
Konrad H. Vollrath
Ronald Guy Ware
Richard Joseph Zalewski

ONE HUNDRED AND TWELFTH COMMENCEMENT

BACHELOR OF BUSINESS ADMINISTRATION

Degrees Awarded With Distinction

Donald Lawrence Anderson
Ronald Edwin Froehlich

Ronald John Shroba

DIPLOMA IN PROFESSIONAL ACCOUNTING

With Distinction

Efraim Hadassy

THE MEDILL SCHOOL OF JOURNALISM

MASTER OF SCIENCE IN JOURNALISM

Degrees Awarded With Distinction

Carolyn Diane Hay
Wallace Charles Judd

Marsha Mark Wiegold

BACHELOR OF SCIENCE IN JOURNALISM

Degrees Awarded With Highest Distinction

Susan Leigh Irwin

George Raymond Martin

Degrees Awarded With Distinction

Richard Lee Boudreaux
Stephen Michael Bowell
Nancy Froma Horowitz

Judy Alberta Kulstad
Joann Sandra Lublin
Mary Locke Swanton

THE TECHNOLOGICAL INSTITUTE

Degrees Awarded With Highest Distinction

Steven Arthur Bradley
Raymond G. Finucane
Edward Paul Wagner, Jr.

Sidney Peter Wagner
Ronald Martin Saidikowski

Degrees Awarded With Distinction

Dennis Wolford Draper
Ronald Craig Fish
Craig A. Gaw
James Man-Chang Ho

Bruce David Jacobsen
Robert Milton Nauss
Sally Jean Rimkus
Donald Albert Rauh

THE COMMISSIONS

COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVY

John F. Bender
William T. Clayton
Mark E. Feichtinger
Ray T. Forbes
Mark Fox
Dennis R. Frisch
Robert R. Gasink
Gary Gelzer
Russell L. Griffith
George K. Grimmer
Frank A. Haas
John H. Heckmueller

William E. Heitz
Jerry M. Kitzman
Paul S. Koller
Norvel W. LaChance
Tom E. Mitchell
William C. Pohl
David R. Sawyer
Robert E. Shaw
Paul D. Smith
John H. Woodard
Gary L. Zambito

COMMISSIONS AS ENSIGN IN THE LINE, U. S. NAVAL RESERVE

Jefferson L. Aikin
Bruce M. Bingman
Michael A. Boe
William S. Borchers
Michael M. Brenner
Robert P. Farrington

John F. McCarron
Charles D. Peelle
Evans R. Schoeman
Steven R. Weisbrod
Glenn E. Zumbahl

COMMISSIONS AS ENSIGN IN THE SUPPLY CORPS, U. S. NAVY

Robert E. Dorting

Alan R. Greene

COMMISSIONS AS ENSIGN IN THE SUPPLY CORPS, U. S. NAVAL RESERVE

Fred L. Dorr
James S. Orr

Raymond N. Wareham

COMMISSION AS ENSIGN IN THE ENGINEERING DUTY, U. S. NAVAL RESERVE

Howard Ostroff

COMMISSION AS ENSIGN IN THE JUDGE ADVOCATE CORPS, U. S. NAVY

Joel J. Metter

COMMISSION AS SECOND LIEUTENANT IN THE U. S. MARINE CORPS

Ronald C. Fish

THE CAP AND GOWN

The cap and gown are worn by each participant in the Commencement exercises. The cap is worn throughout the ceremonies, except during the national anthem and the invocation. The tassel colors, which indicate the different Schools and departments, are as follows:

Graduate	<i>Black</i>	Speech	<i>Silver Gray</i>
Arts and Sciences	<i>White</i>	Education	<i>Light Blue</i>
Medicine	<i>Green</i>	Journalism	<i>Crimson</i>
Law	<i>Purple</i>	Technological Institute	<i>Orange</i>
Dentistry	<i>Lilac</i>	Traffic Institute	<i>Acorn and White</i>
Music	<i>Pink</i>	Passavant Hospital,	
Business/Management	<i>Acorn</i>	Chicago Wesley Hospital	<i>Apricot</i>

COMMENCEMENT CHAIRMEN

UNIVERSITY CHAIRMAN	JOE W. MILLER
BACCALAUREATE CHAIRMAN	CHAPLAIN RALPH G. DUNLOP
CHIEF MARSHAL	JACK M. PERNECKY
Baccalaureate Marshal	CLIFTON BURMEISTER
Chairman of Marshals for the Faculty at Commencement	ROBERT BREEN
Chairman of Marshals for Students at Commencement	GERALD L. SMITH
Marshal for Recipients of Honorary Degrees	PETER P. JACOBI
AUDITORIUM MARSHAL AT COMMENCEMENT	WALDO FISHER
Lobby Marshal at Commencement	JEREMY R. WILSON
Chairman of Door Marshals at Commencement	CHARLES L. LONGWELL
Assistant Chairmen of Door Marshals	FRANK O'CONNOR, SIDNEY RICHARDSON, HARRY TAYLOR, ELMER VAN RENGEN
Chairman of Aisle Marshals at Commencement	WILLIAM E. DIETRICH
Assistant Chairman of Aisle Marshals	EDWARD O. ANDERSEN
Chairman of Ushers at Commencement	ROBERT B. HATTER
Assistant Chairman of Ushers	WILLIS NORDHEM
Chairman of Program Distributors	EDWARD J. DUBLIN
Assistant Chairman of Program Distributors	CHARLES L. DOUGHERTY
Chairman of Checkrooms	JAMES J. PROGAR
Chairman of Parking Lots and Traffic	STANLEY GROSS
DIPLOMA CHAIRMAN	LAURENCE H. NOBLES
Diploma Assistants	RICHARD H. COLE, PETER JACOBI, RAE MOSES, JAMES NEAL, JACK PERNECKY, KURT STOEHR, ROY WOOD
CHANCELLOR'S RECEPTION AND LUNCHEON	GERALDINE BEISANG, BRUNO ADAMS
MUSIC	JOHN P. PAYNTER
EMERGENCY MEDICAL SERVICE	DR. LEONA B. YEAGER
PUBLICITY	B. G. OLSON
STAFF PERSONNEL	ARTHUR T. SCHMEHLING, RAYMOND E. WILLEMAIN
CAPS AND GOWNS	MILDRED PARK
STAFF ASSISTANTS	KAY CHATAIN, MARION OSBORN, ELLEN STEWART
ARRANGEMENTS	M. E. EKBERG, WALDO FISHER, CHARLES L. OLSON, J. C. SANDERSON



THE UNIVERSITY HYMN

Hail to Alma Mater!
We will sing thy praise forever;
All thy sons and daughters
Pledge thee victory and honor.
Alma Mater, praise be thine,
May thy name forever shine!
Hail to Purple! Hail to White!
Hail to thee, Northwestern!

